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DESIGN SPECIFICATION

INTEGRATED PROCUREMENT MANAGEMENT SYSTEM - VERSION II

(IPMS-II)

ONLINE SUBSYSTEM

VOLUME I

Job Order 84-537

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VOLUME I

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ABBREVIATIONS AND ACRONYMS

ASCII	American National Standard Cobol X3.23-1974
BAS	Basic Accounting System
CCA	Contract Change Authority
I/O	input/output
IDSD	Institutional Data Systems Division
IPMS	Integrated Procurement Management System
IPMS-II	Integrated Procurement Management System Version II
MSAM	Multi-indexed Sequential Access Method

1.0 PURPOSE AND SCOPE

This document contains the detailed design specifications for the online subsystem of the Integrated Procurement Management System Version II (IPMS-II). It provides the reader with a comprehensive understanding of the design of the IPMS-II to the unit level.

2.0 SYSTEM OVERVIEW

The IPMS-II is an ASCII COBOL System using the Multi-Indexed Sequential Access Method (MSAM) for storage and retrieval of information from mass-storage files. The IPMS-II uses a terminal handler routine, written and maintained by the Institutional Data Systems Division (IDSD) for all terminal interface.

The IPMS-II consists of two major subsystems: online and batch. The online subsystem consists of three major functions: pre-processing, template processing, and recovery. The preprocessing function is to ensure that the data base is ready for use by the online user.

Template processing control is exercised by an Executive program which initiates processing based upon directives contained in the user input from the terminals. For all data identified as update transactions, extensive edits are performed to ensure the validity of the information maintained in the files. Invalid data will be rejected and the error conditions sent to the user terminal. The template processing function is also used to display the file contents on the user terminal. The recovery function is used to restore the database files when they become unusable.

The batch subsystem will be described in Volume II of the Design Specification.

3.0 SYSTEM ENVIRONMENT

3.1 HARDWARE

The IPMS-II is designed to operate on a UNIVAC 1108 or 1110 computer. At any given time, core storage does not exceed 40,000 words. Approximately 30 positions (20,643,840 characters) of mass-storage are required for the data files.

3.2 SYSTEM SOFTWARE

The IPMS-II operates under the standard EXEC VIII operating system currently available on the JSC UNIVAC 1108 or 1110 computers.

3.3 GENERAL PURPOSE SOFTWARE

The IPMS-II uses the terminal handler written and maintained by IDSD for all the communication with the user terminals.

4.0 SYSTEM DESIGN

The online subsystem flow is illustrated in figure 4-1.

4.1 PREPROCESSOR PROGRAM

The preprocessor program is a separate program executed prior to the online function to ensure the database is ready for use by the online user. The preprocessor program is shown in figure 4-2.

4.2 TEMPLATE PROCESSING

Template processing (IPMS-II overlay structure) is depicted in figure 4-3.

4.2.1 Top Level Programs

These programs are always in core during execution. The linkage section is used to pass data to and from the terminal throughout the overlay structure. The common storage section is used to pass file data to and from the input/output (I/O) module from the calling program.

4.2.1.1 Executive Module

This program is the executive module which interrogates the input from the terminal and initiate subsystem processing (fig. 4-4).

4.2.1.2 Terminal Handler

This routine is supplied and maintained by IDSD. It provides a full screen template type interface to the megadata terminal. The routine consists of a set of subroutines to provide terminal input/output capability as well as some utility functions. A Template Definition program is also provided to allow the creation of input template.

4.2.1.3 Input/output

This routines does all of the I/O for all of the database files. Each file has its own set of entry points for opening, closing, reading, writing.

<u>File Name</u>	<u>Prime Key</u>	<u>Alternate Key</u>	<u>Table</u>
PR	PR-NO	DR-NO	4-I
CONTR	CONTR-NO	---	4-II
PR/CONTR XREF	PR-NO	CONTR-NO	4-III
CCA	CONTR-NO/CCA-NO	---	4-IV
MOD/T-ORDER	CONTR-NO	----	4-V
TABLES	TAB-NO/TAB-KEY	----	4-VI

4.2.1.4 Utility

The utility module consists of several assembly language routines to perform miscellaneous functions necessary for the operation of the system. Each function has a unique entry point. These entry points are listed below. Record formats are illustrated in Table 4-VII.

- a. LOGRD - This entry point is used to do random reads from the log file. Example: ENTER FORTRAN 'LOGRD' using sector address, buffer address, number of words.
 - (1) Sector address - binary number of beginning sector.
 - (2) Buffer address - data name where data is to be stored.
 - (3) Number of words - binary number of the number of words to be read.
- b. LOGWRT - This entry point is used to do random writes to the log file. Linkage is same as LOGRD.
- c. LOGUPD - This entry point is used to update the log file with valid transactions. The linkage is the same as above except only two parameters are used, the buffer address parameter and a status word.
- d. LOCKIT - This entry point is used to lock the log file for updates. RDL\$ is done to sector 3 of the log file.
- e. UNLOCK - This entry point is used to unlock the log file. UNL\$ to sector 3.

4.2.2 Intermediate Level Modules

With the exception of the security/batch setup module, all of these modules perform two functions. The first function calls the appropriate detail level module for template processing. The second function builds the message table of error or updates messages to be used by the executive module.

4.2.2.1 Purchase Request

This module calls the appropriate detail module for template processing (fig. 4-5).

4.2.2.2 Contracts

This module calls the appropriate detail module for template processing (fig. 4-6).

4.2.2.3 CCA

This module calls the appropriate detail module for template processing (fig. 4-7).

4.2.2.4 Tables

This module calls the appropriate detail module for template processing (fig. 4-8).

4.2.2.5 Inquiry

This module calls the appropriate detail module for template processing (fig. 4-9).

4.2.2.6 Security/Batch Setup

The user and batch templates update the log file through calls to the utility function (figs. 4-10 through 4-12).

4.2.3 Detail Level Modules

These modules are called by their parent module and overlay each other.

4.2.3.1 Purchase Request

The processing for each purchase request input is detailed in figures 4-13 through 4-21.

4.2.3.2 Contracts

The processing for each contract input is detailed in figures 4-22 through 4-39.

4.2.3.3 CCA

The processing for each Contract Change Authority (CCA) input is detailed in figures 4-40 through 4-46.

4.2.3.4 Tables

The processing for each Tables input is detailed in figures 4-47 through 4-60.

4.2.3.5 Inquiry

The processing for each inquiry input is detailed in figures 4-61 through 4-64.

4.3 RECOVERY FUNCTION

The recovery function will use the same modules of the template processing, except the executive module (fig. 4-65). The recovery executive module will read the log file for input instead of the terminal handler.

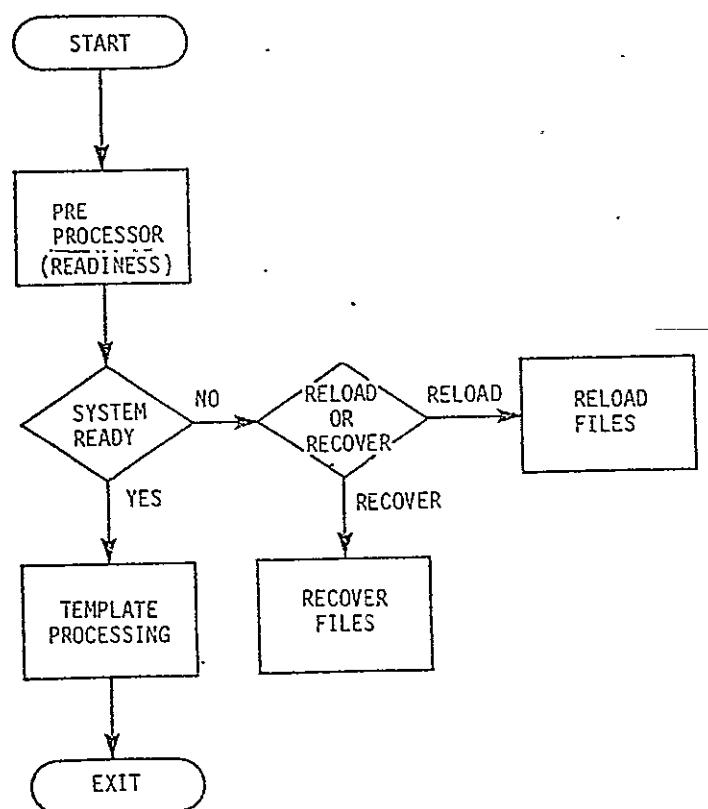


Figure 4-1.- Online subsystem flow chart.

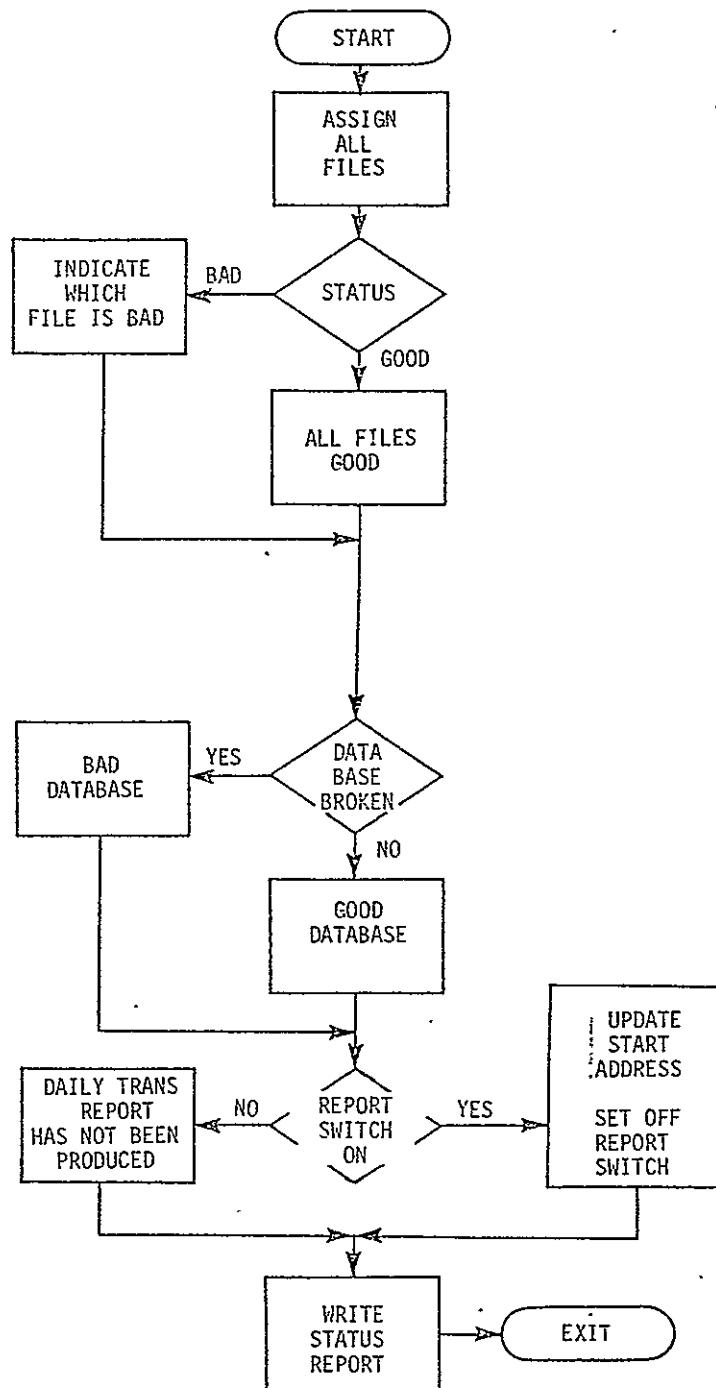


Figure 4-2.- Preprocessor program.

P03-45

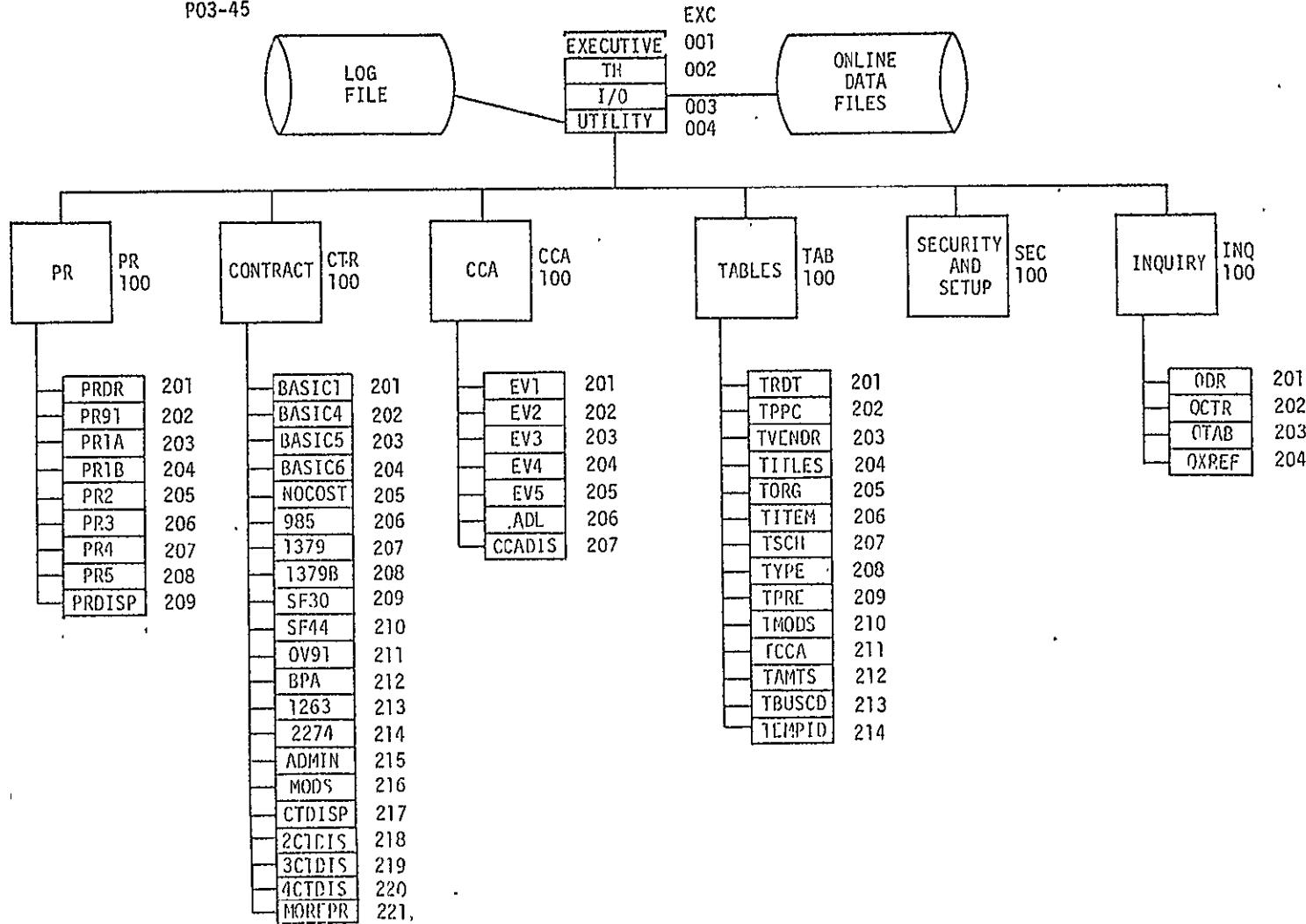


Figure 4-3.- Online subsystem (IMPS overlay structure).

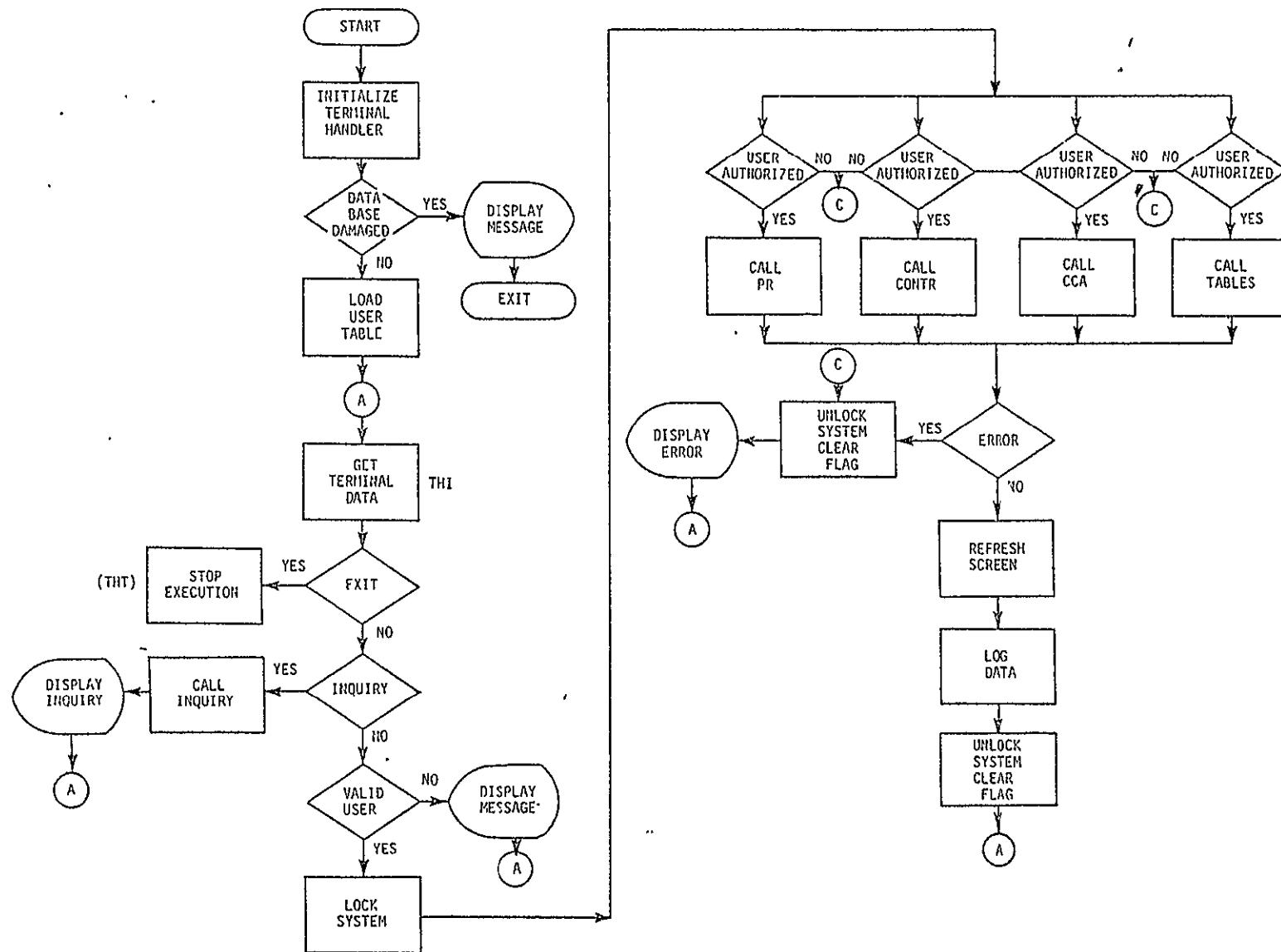


Figure 4-4.- Executive program logic chart.

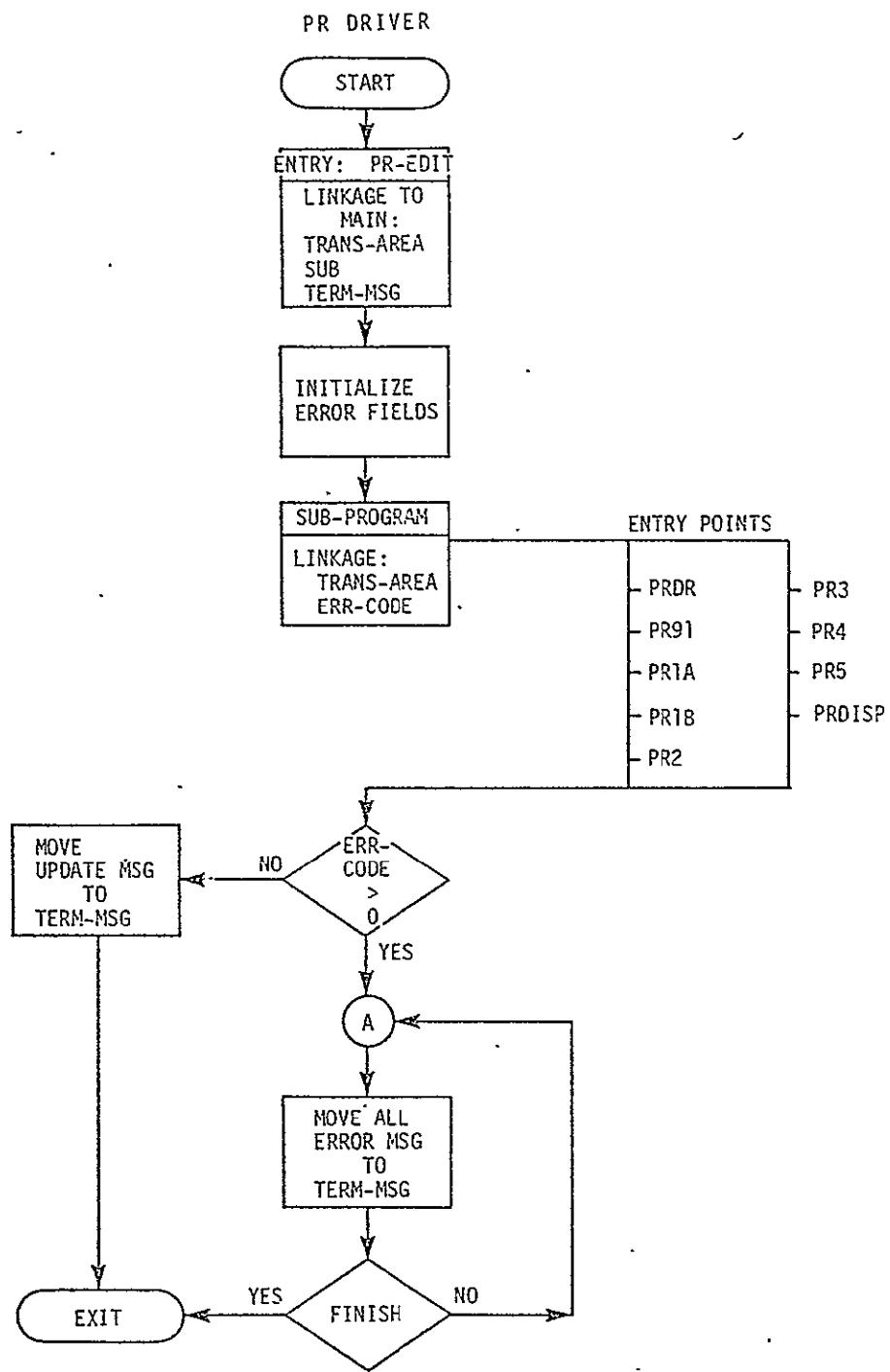


Figure 4-5.- Purchase request logic flow.

CONTRACT DRIVER

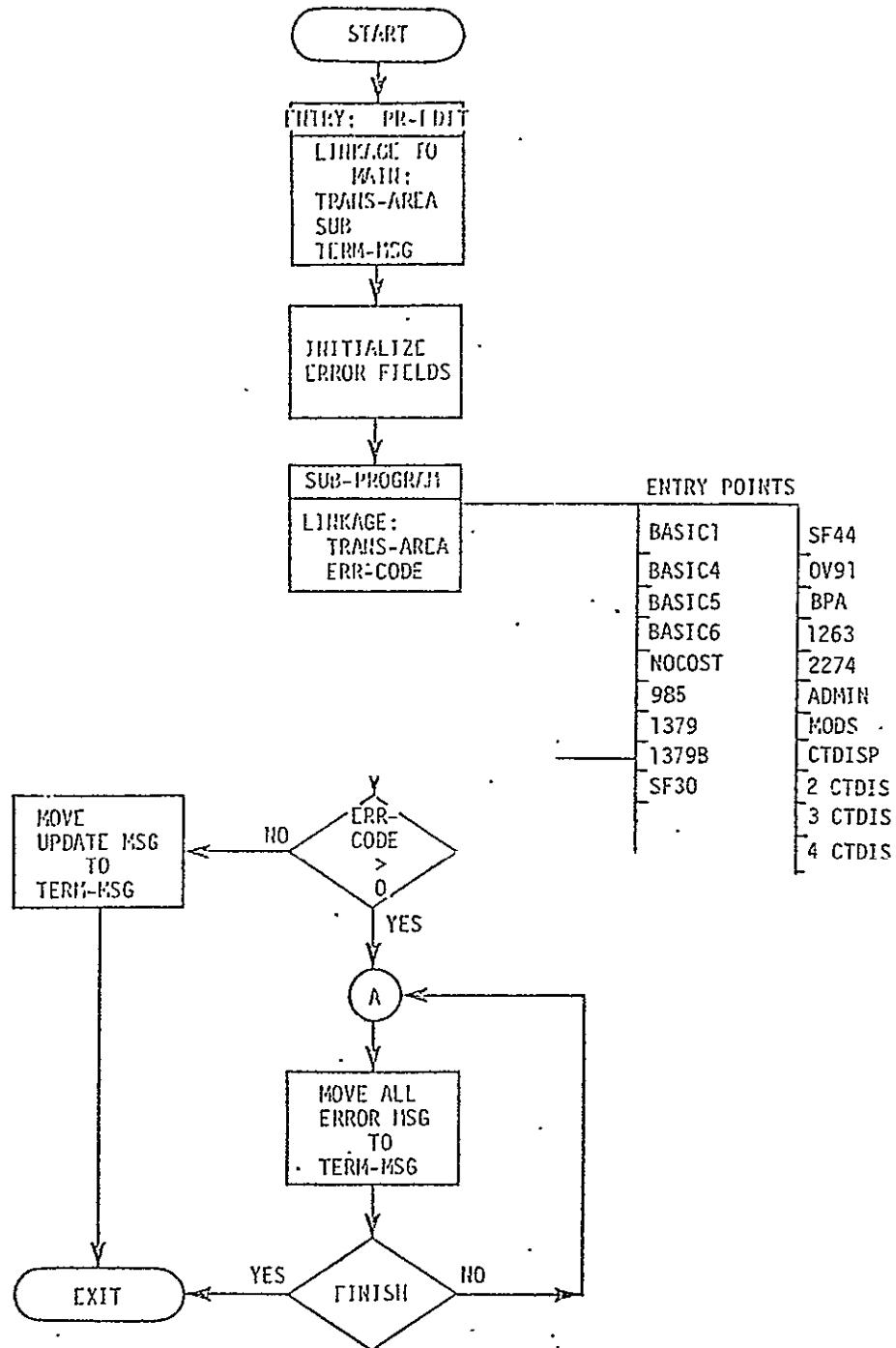


Figure 4-6.- Contracts logic flow.

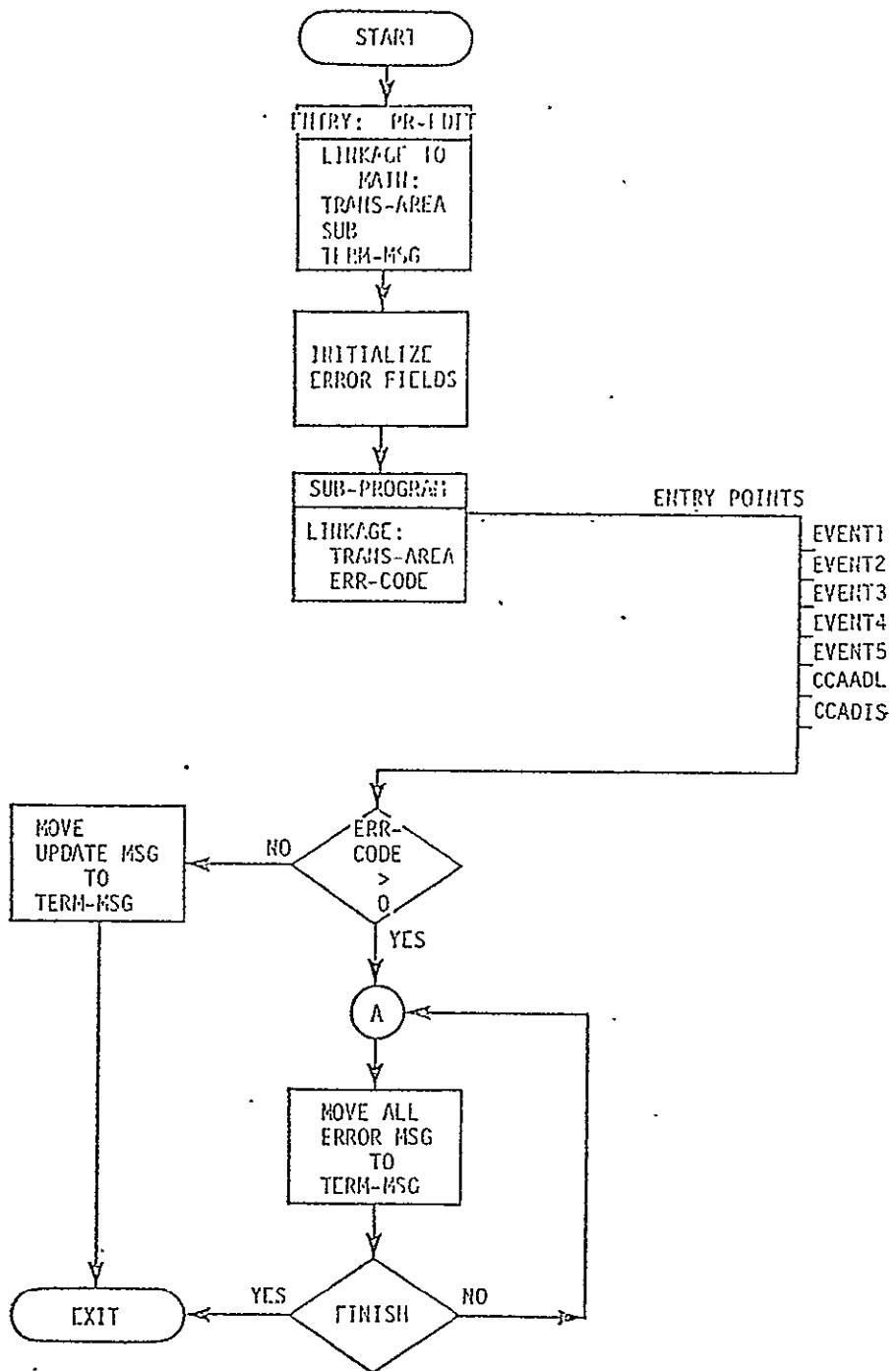


Figure 4-7.-- CCA logic flow.

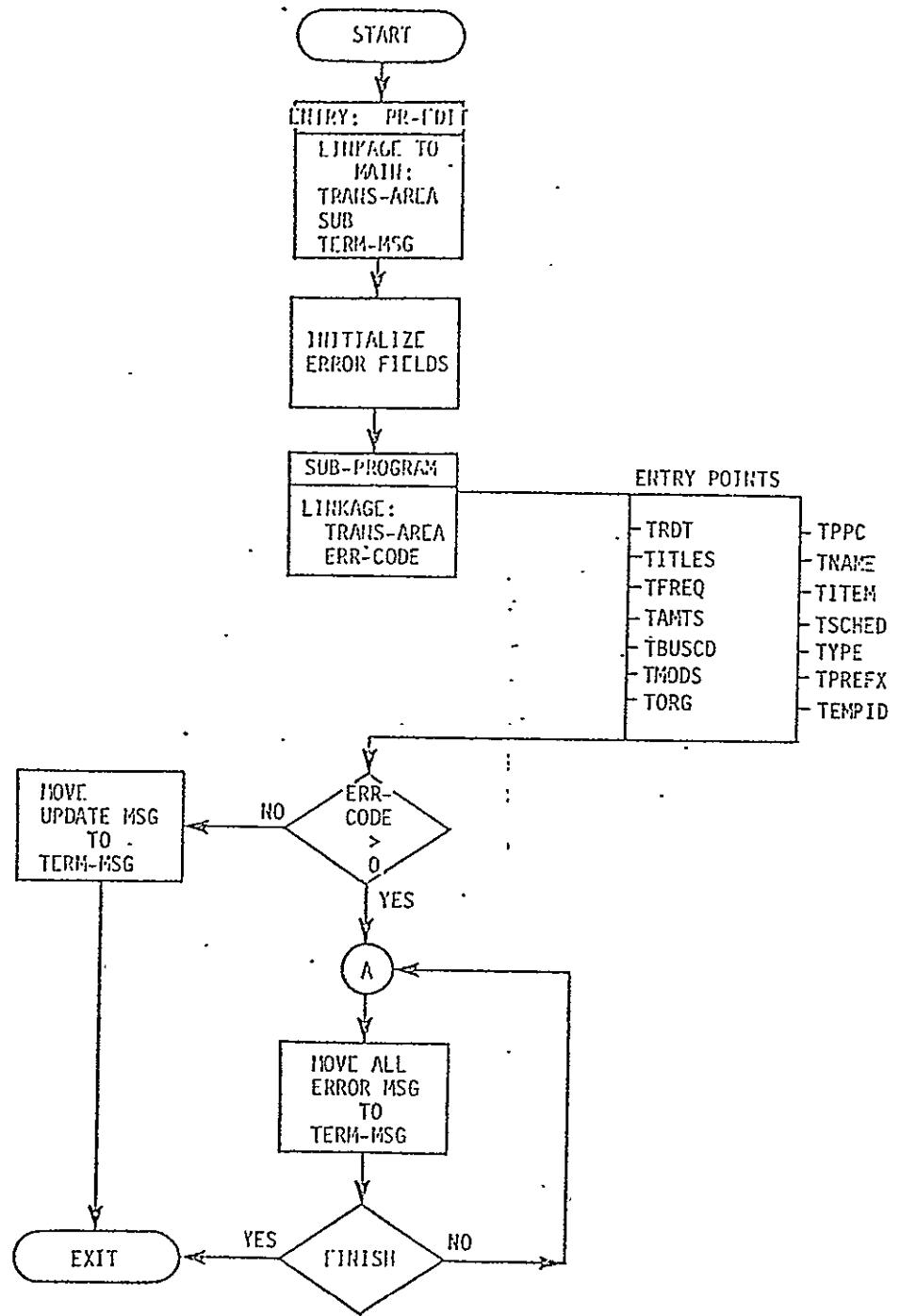


Figure 4-8.- Tables logic flow.

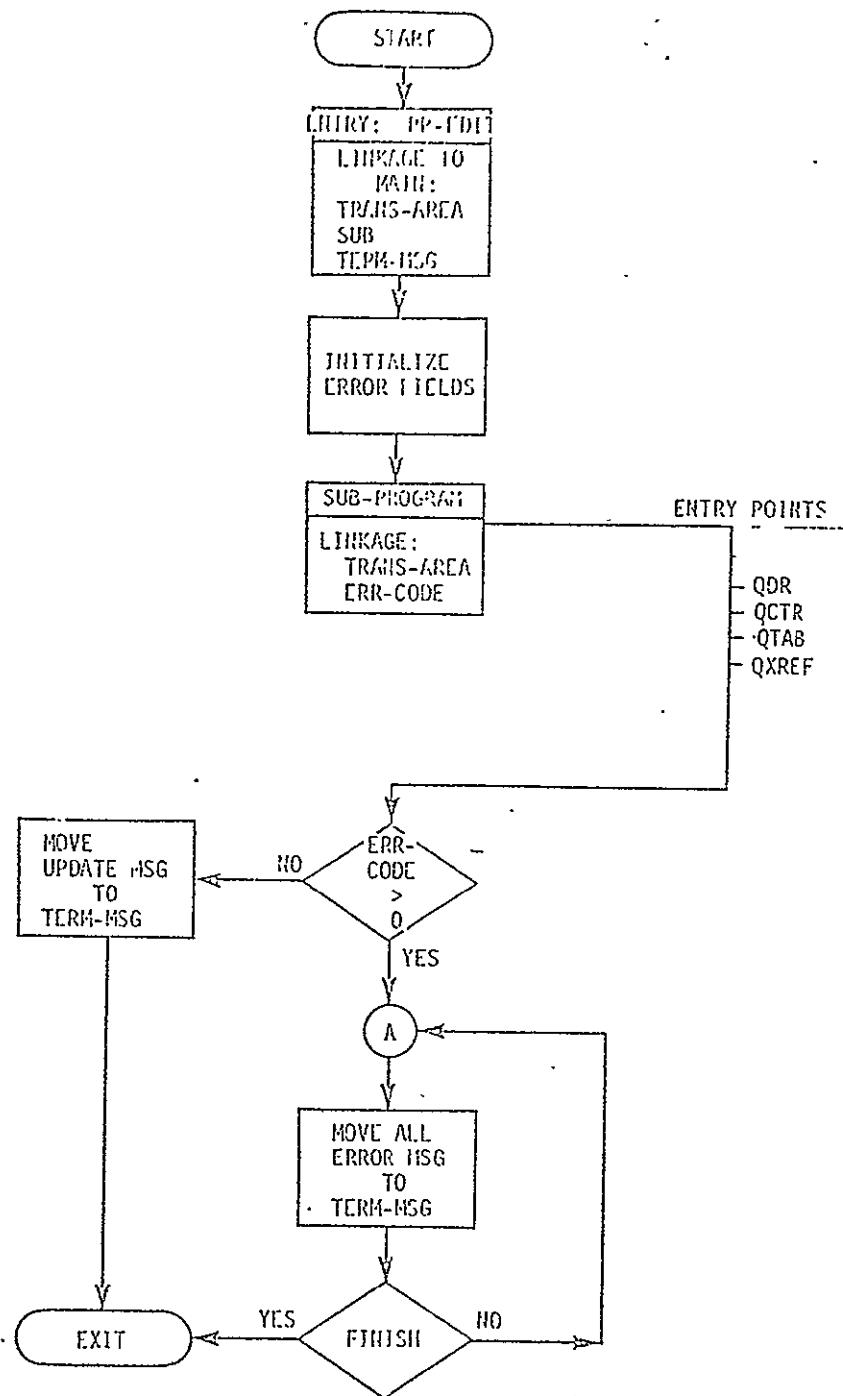


Figure 4-9.- Inquiry logic flow.

System Date Template

Purpose: To allow input of the as-of-processing date.

TEMPLATE ID (ASDATE)

PROGRAM ID (EXC001)

DATE TEMPLATE

AS OF PROCESSING DATE ____-____-____

ELEMENT

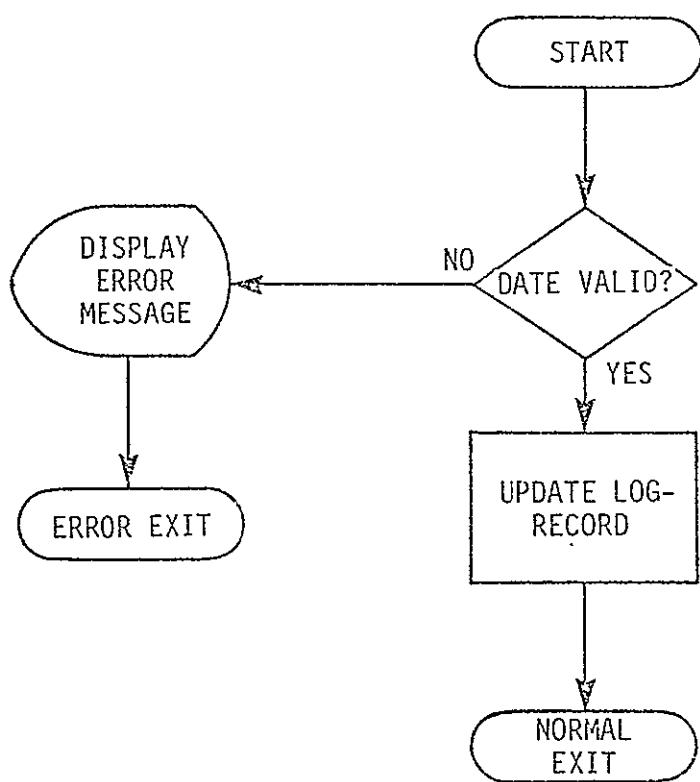
EDIT

Date

Valid date

Figure 4-10.- System Date template.

ASDATE



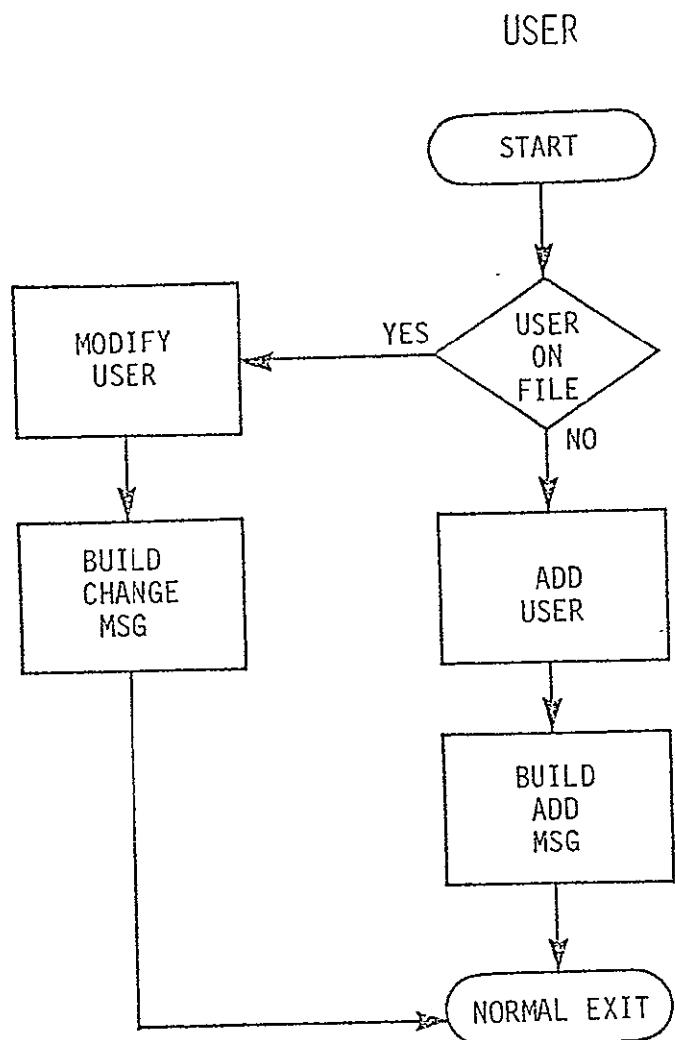
(a) ASDATE Logic flow.
Figure 4-10.- Concluded.

System Security Template

Purpose: To allow additions or changes to the System Security table. The table is used to limit entry into the data files and to limit update to authorized sections of the system.

TEMPLATE ID (USER)	PROGRAM ID (SEC100)
SYSTEM SECURITY TEMPLATE	USER
USER NUMBER ----	
AUTHORIZED TO UPDATE PR -	AUTHORIZED TO UPDATE CONTRACT -
AUTHORIZED TO UPDATE CCR -	AUTHORIZED TO UPDATE TABLES -
AUTHORIZED TO UPDATE USER -	
<u>ELEMENT</u>	<u>EDITS</u>
User Number	Non blank No edits for other elements

Figure 4-11.- System Security template.



(a) USER logic flow.
Figure 4-11.- Concluded.

Batch Run Setup, Page 1

Purpose: To allow user to enter the control information needed to run the batch system.

TEMPLATE ID (BATCH)

PROGRAM (SEC100)

BATCH RUN SETUP

BATCH

REPORT SYSTEM

	MM DD YY FREQ		MM DD YY FREQ
PR REPORTS	-- -- -- -	CONTRACT JSC	-- -- -- -
CCA REPORTS	-- -- -- -	CONTRACT NUN JSC	-- -- -- -
U.C. +G REPORTS	-- -- -- -	ANNUAL CONTRACT	-- -- -- -
FACS INTERFACE TAPE (ENTER X IF REQUESTED)	-		

ELEMENT

Reports dates
 frequency

EDIT

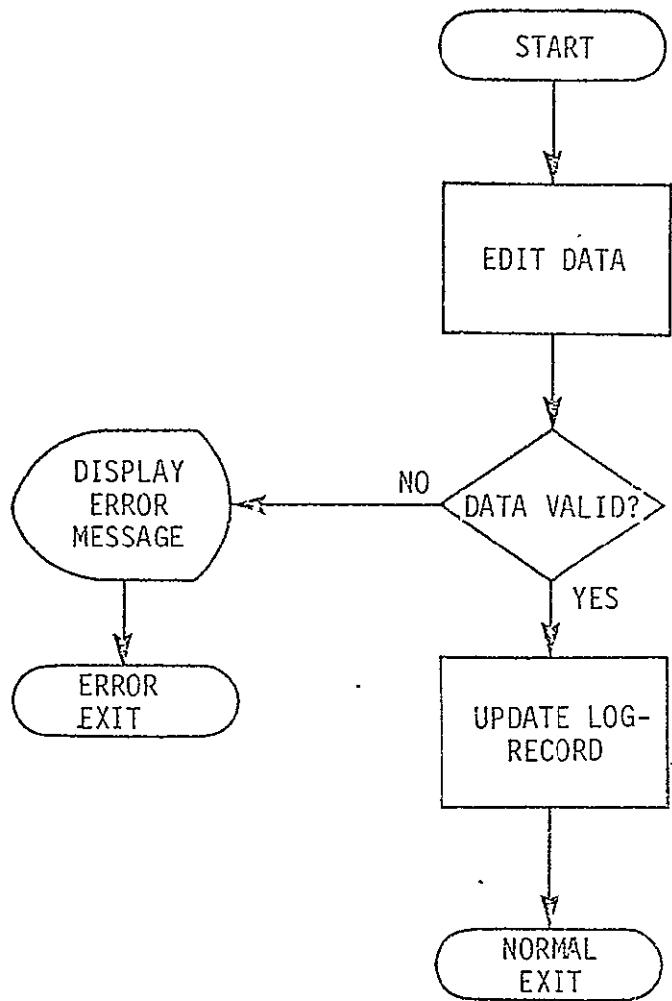
Valid date in format MMDDYY
Must be non-blank if date is present

Interface

FACS-Master-Tape No edit

Figure 4-12.- Batch Run Setup template.

BATCH RUN SETUP



(a) BATCH logic flow.
Figure 4-12.- Concluded.

DIVISION REQUEST

PURPOSE: To establish a potential requirement for items or services.

Template ID (PRDR)

Program ID (PR201)

DIVISION REQUEST FOR PROCUREMENT ACTION

PRDR

DR NO _____ SERVICES REQUIRED _____ FUNCTION _____

ESTIMATED AMOUNT __,__,__,__ + DATE __ __ __ DATE REQUIRED __ __ __

PNC _____ RO __ OC __ PO __ INITIATOR _____

ELEMENT EDIT

DR NO. - Not space and first two alphabetic

SERVICE - Not space

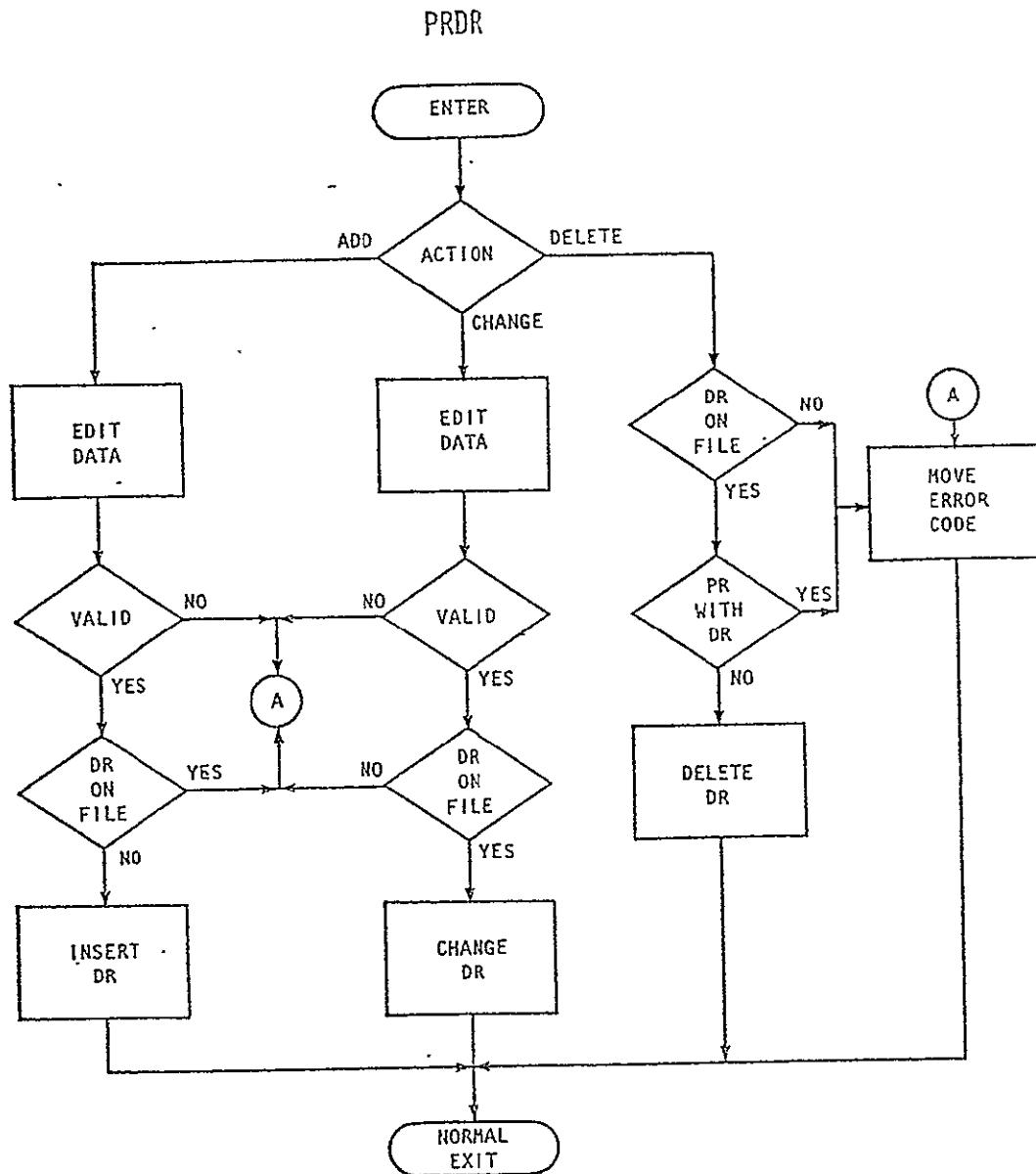
EST. AMT. - Numeric > zero

DATE - Valid date

FUNCTION - Space, ADD, CHG, DELETE

INITIATOR - Not space

Figure 4-13.- Division Request template.



(a) PRDR logic flow.
Figure 4-13.- Concluded.

PURCHASE REQUEST

PURPOSE: To establish a PR in the database. Milestone 2 through 6 dates are scheduled in accordance with PR classification code and dollar value.

Template ID (PR91)

Program ID (PR202)

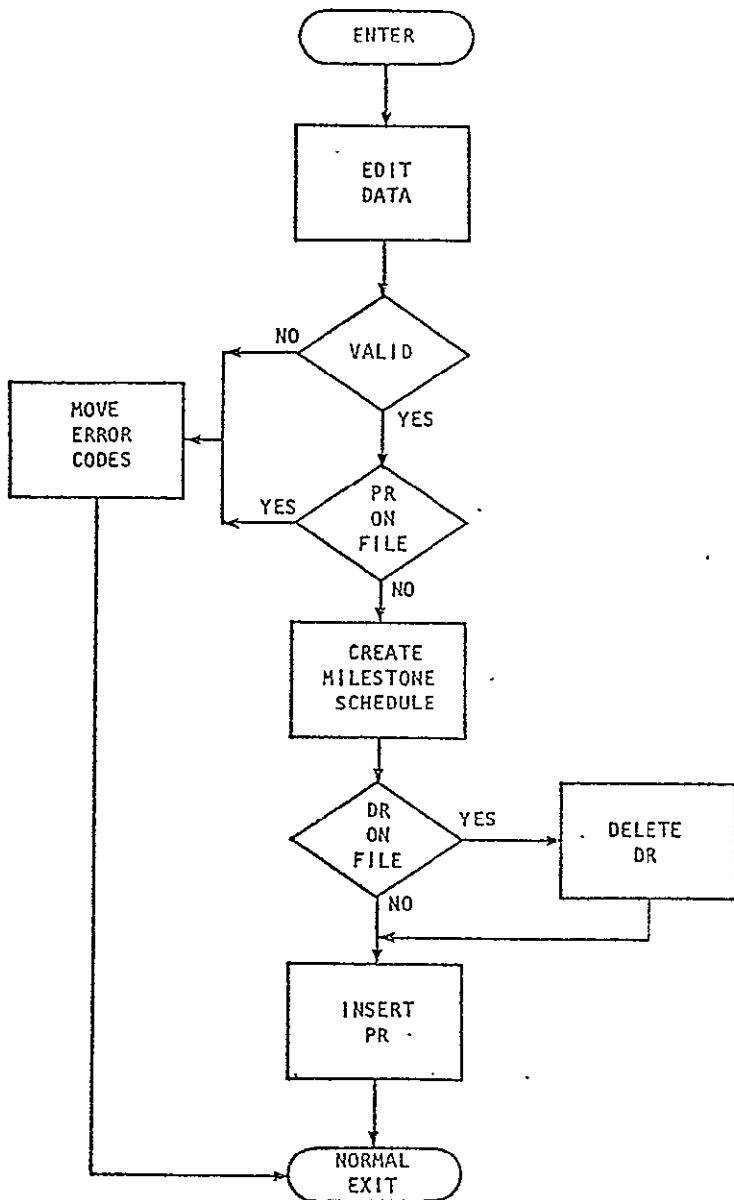
PURCHASE REQUEST										PR91	
PR DATE	---	PWC	-----	RO	OC	PO	---	PY	--	FS	-
DR NO	---	PR NO	-----	LINE CNT	---	DESCRIPTION					
COM AMT	-----	+ TOTAL VALUE	-----	-----	-----	+ DELIVERY DATE					
INITIATOR	-----	PROC ORG	----	PLAN PR	PR CLASS	-----	RECEIVED DATE	-----	-----	-----	

ELEMENT EDIT

PR DATE	- Valid date
PWC	- Nonblank
DIV REQ NO	- First two alphabetic
PR NO	- First 8 numeric
LINE CNT	- Numeric
DESC	- Not blank
COM AMT	- Numeric > zero
TOTAL VALUE	- Blank or numeric
INITIATOR	- Not blank
DELIVERY DATE	- Valid date or blank
PROC ORG	- Organization table
PLAN PR	- Blank or P
PR CLASS	- Schedule table
RECEIVED DATE	- Valid date

Figure 4-14.- Purchase Request template.

PR 91



(a) PR 91 logic flow.
Figure 4-14.- Concluded.

PR MILESTONE 1A

PURPOSE: To assign a buyer for a PR. The buyer may reschedule milestone 2 through 6. It may also be used to transfer responsibility for a PR from one buyer to another.

Template ID (PR1A)

Program ID (PR203)

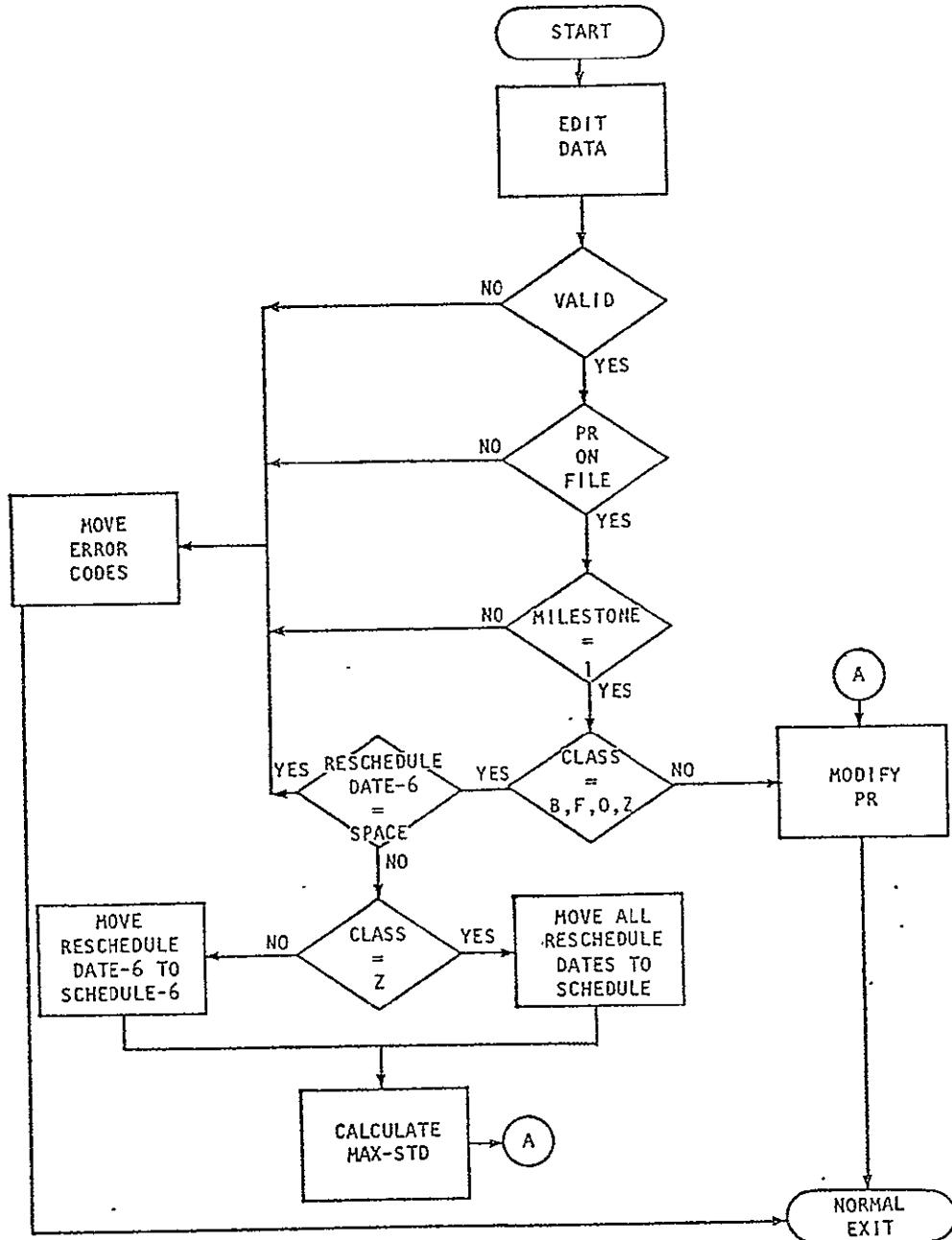
PR MILESTONE 1A ----- PR1A
ASSIGNMENT OF BUYER
PR NO ----- MILESTONE DATE ----- ORG/BUYER -----
RESCHEDULE DATES
R2 ----- R3 ----- R4 ----- R5 ----- R6 -----

ELEMENT EDIT

- PR NO - Not space
- DATE - Valid date
- ORG/BUYER - Organization table
- R2-R6 - Blank or valid date

Figure 4-15.- PR Milestone 1A template.

1A



(a) 1A logic flow.
Figure 4-15.- Concluded.

PR MILESTONE 1B

PURPOSE: To record appropriate pricing actions, dates, and remarks.

Template ID (PR1B)

Program ID (PR204)

PR MILESTONE 1B

PR1B

PR PRICING

PR NO _____

PRICING REQUEST DATE ____ PRICING RECEIVED DATE ____

PRICING COMMENTS _____

ELEMENT EDIT

PR NO - Not space

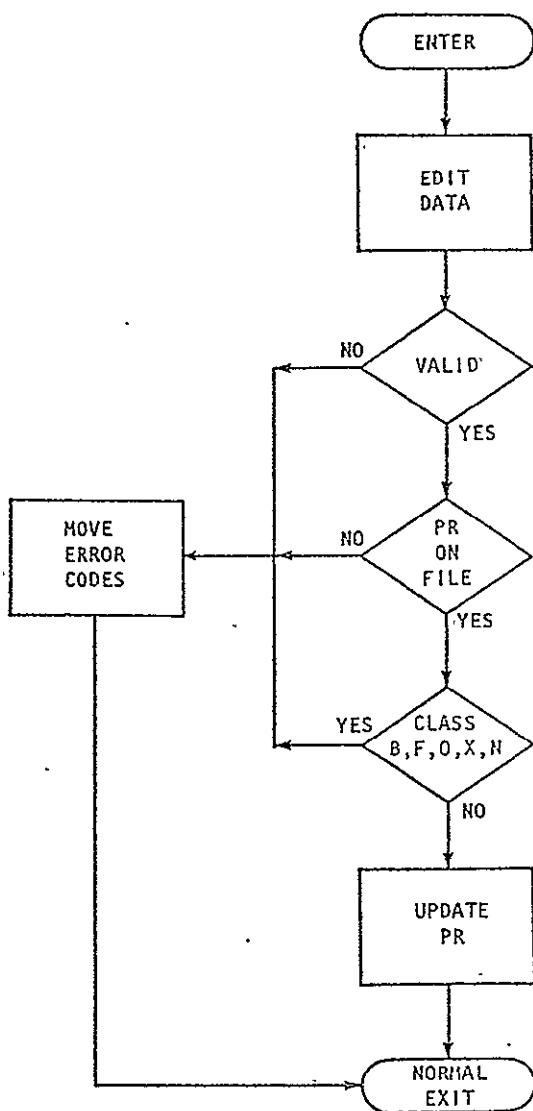
REQUEST - Valid Date or blank

RECEIVED - Valid Date or blank

COMMENTS - No edit

Figure 4-16.- PR Milestone 1B template.

PR 1B



(a) PR 1B logic flow
Figure 4-16.- Concluded.

PR MILESTONE 2

PURPOSE: To record that the buyer has issued the solicitation for procurement.
The buyer may reschedule milestone 3 through 6.

Template ID (PR2)

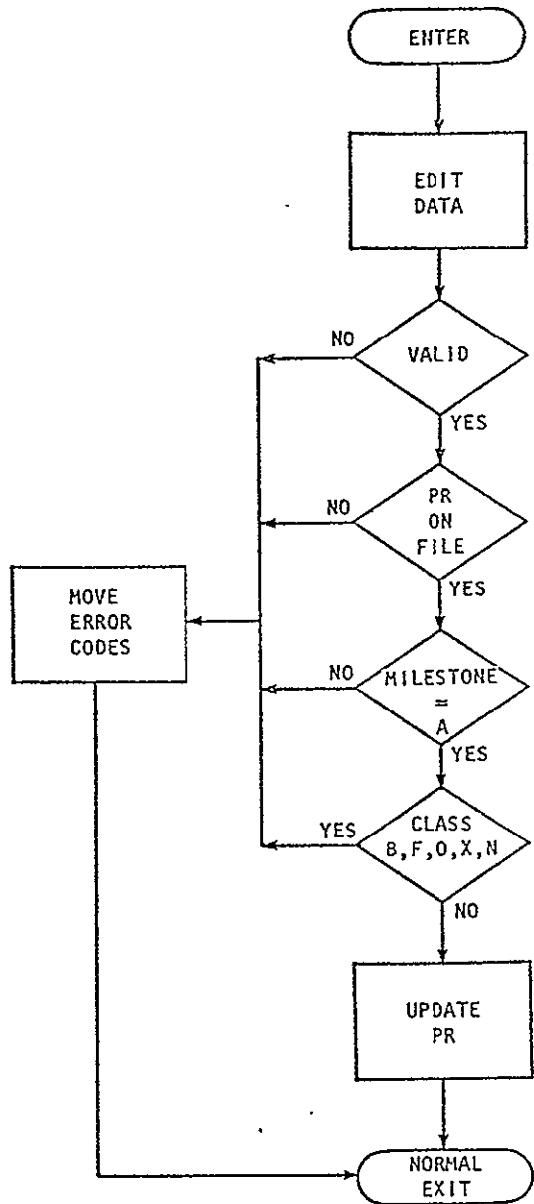
Program ID (PR205)

PR MILESTONE 2
SOLICITATION ISSUED
PR NO _____ DATE _____ SOLICITATION/UNSOLICITED NO _____
RESCHEDULE DATES
R3 _____ R4 _____ R5 _____ R6 _____

<u>ELEMENT</u>	<u>EDIT</u>
PR NO	- Not space -
DATE	- Blank, valid date
SOLICITATION/UNSOLICITED NO	- No edit
R3-R6	- Blank or valid date

Figure 4-17.- PR Milestone 2 template.

PR 2



(a) PR 2 logic flow.
Figure 4-17.- Concluded.

PR MILESTONE 3

PURPOSE: To record that the buyer has received a response from vendors and is ready to begin evaluation of responses. The buyer may reschedule milestone 4 through 6.

Template ID (PR3)

Program ID (PR206)

PR MILESTONE 3

PR3

RESPONSE RECEIVED

PR NO ----- DATE -----

RESCHEDULE DATES

R4 ----- R5 ----- R6 -----

ELEMENT EDIT

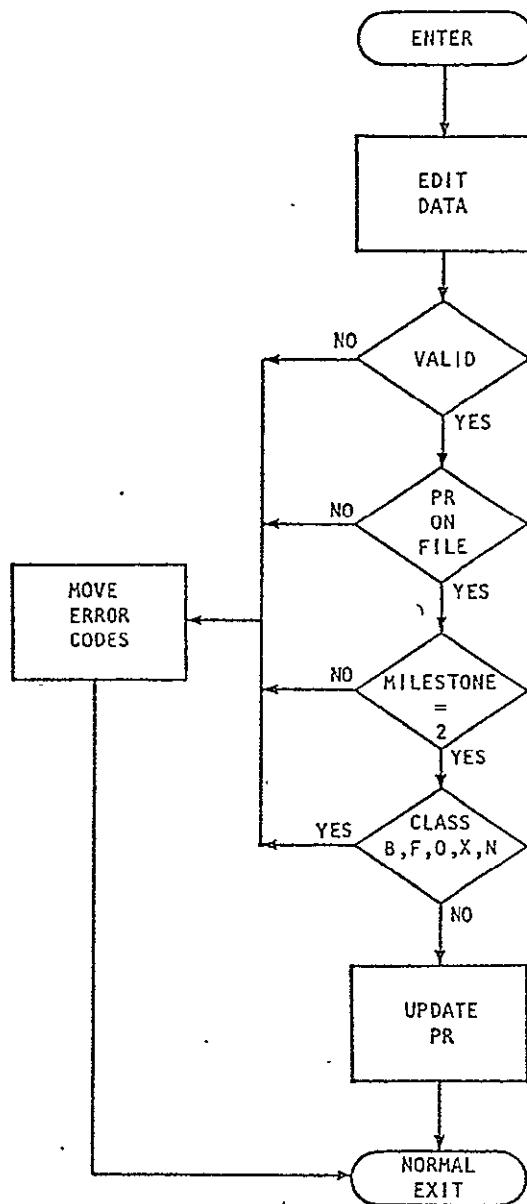
PR NO - Not space

DATE - Valid date

R4-R6 - Blank or valid date

Figure 4-18.- PR Milestone 3 template.

PR 3



(a) PR 3 logic flow.
Figure 4-18.- Concluded.

PR MILESTONE 4

PURPOSE: To record that all technical evaluations requested by the buyer have been received. The buyer may reschedule milestone 5 and 6.

Template ID (PR4)

Program ID (PR207)

PR MILESTONE 4

PR4

TECHNICAL EVALUATION RECEIVED

PR NO ----- DATE -----

RESCHEDULE DATES

R5 ----- R6 -----

ELEMENT

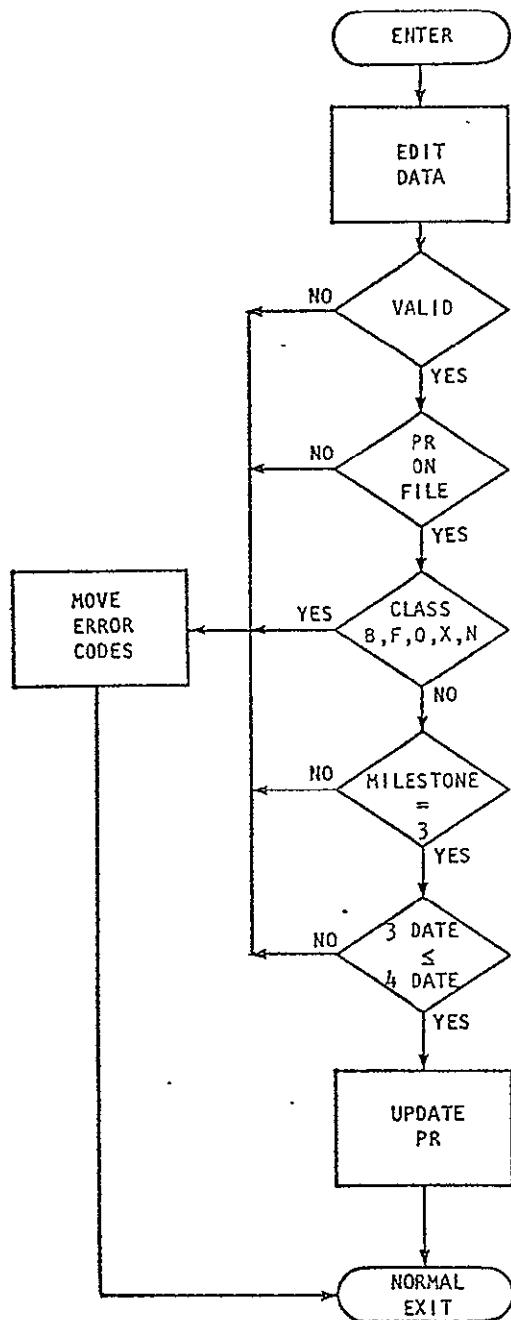
PR NO - Not space

DATE - Valid date

R5-R6 - Blank or Valid Date

Figure 4-19.- PR Milestone 4 template.

PR 4



(a) PR 4 logic flow.
Figure 4-19.- Concluded.

PR MILESTONE 5

PURPOSE: To record that negotiations with the vendor are complete. The contract number issued for this purchase is entered. The buyer may reschedule milestone 6.

Template ID (PR5)

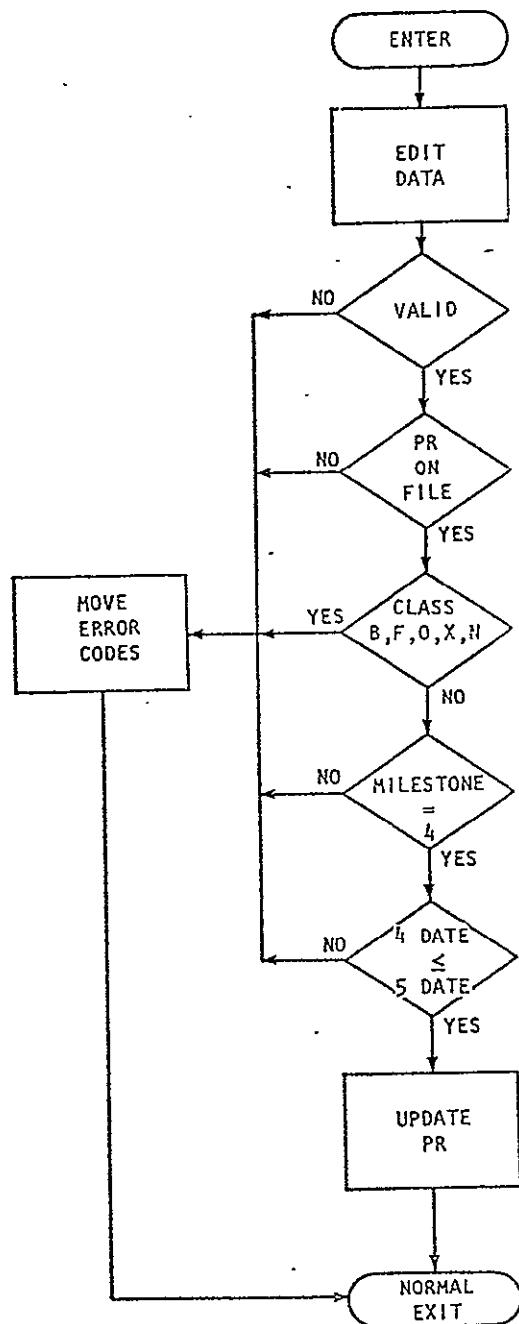
Program ID (PR208)

PR MILESTONE 5 PR5
NEGOTIATIONS COMPLETED
PR NO _____ DATE ____-__-
CONTRACT NO _____ MOD/TYPE ___ RESCHEDULE R6 DATE ____-__-

<u>ELEMENT</u>	<u>EDIT</u>
PR NO	- Not space
DATE	- Valid date
CONTRACT NO	- Not space
MOD/TYPE	- No edit
R6 DATE	- Blank or valid date

Figure 4-20.- PR Milestone 5 template.

PR 5



(a) PR 5 logic flow.
Figure 4-20.- Concluded.

PURCHASE REQUEST UTILITY

PURPOSE: This template allows the user to change or delete purchase request information in the system.

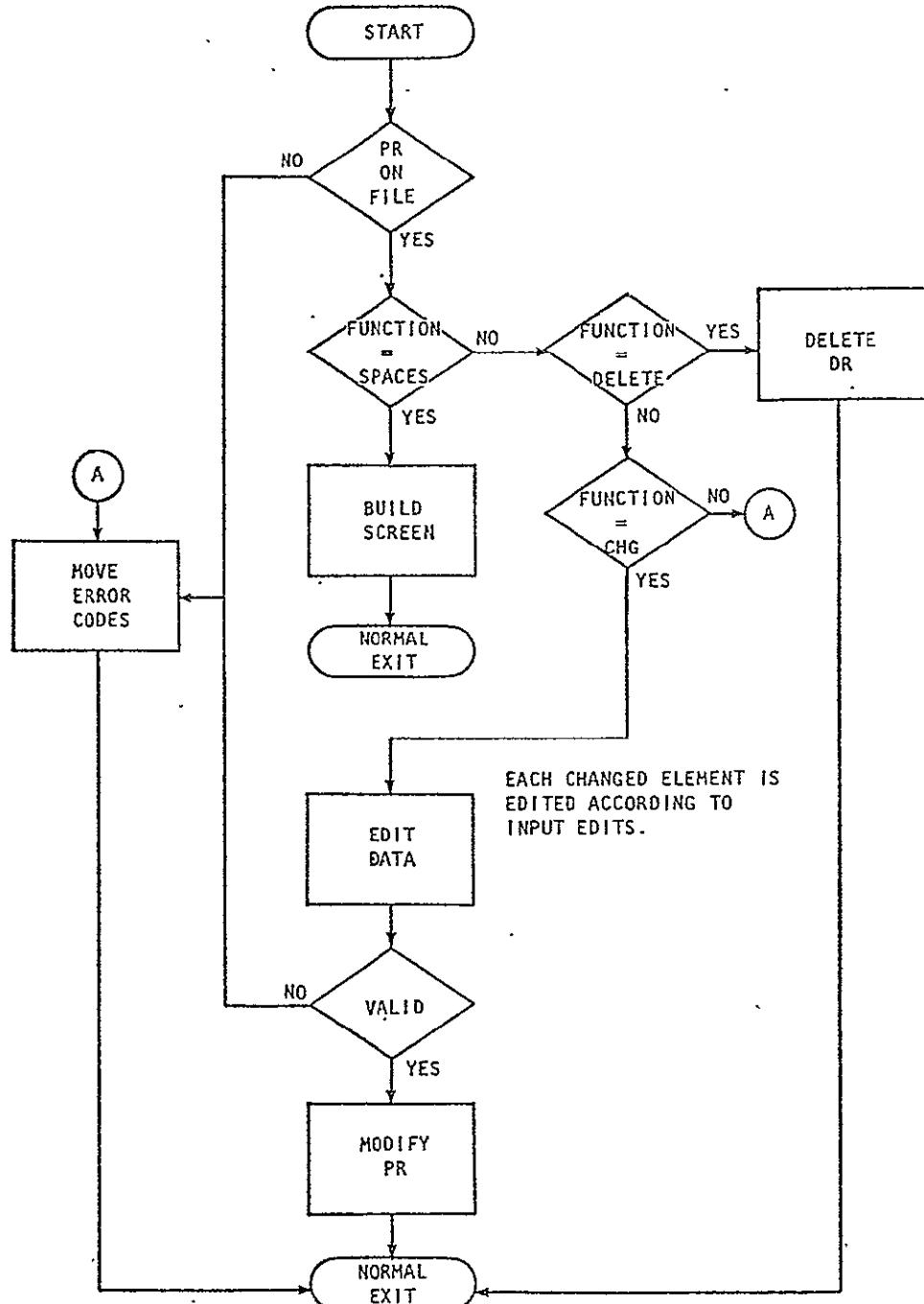
TEMPLATE ID (PRDISP)

PROGRAM ID (PR209)

	PURCHASE REQUEST STATUS		PRDISP		
PR NO	INITIATOR	FUNCTION	-----		
DR NO	DESCRIPTION -----				
TOTAL AMT	SOL/UNSOL NO	ORG/BUYER	-----		
COMMIT	BUYER NAME	EXT	-----		
OBL AMT	CONTRACT NO	MOD/TYPE	MAX STD		
PWC	RO	OBJ CLS	PERF ORG PY FS		
1ST ENT	SOLICIT RESPONSE TECH EV NEGOTIA CONTRACT				
LST CHGD	ISSUED	RECEIVED	ALUATION COMPLETE DISTRIB.		
PR DATE	(2)	(3)	(4)	(5)	(6)
REQD DATE	SCHED -----				
PROC DATE	REVSD -----				
TO BUYER	ACTUAL -----				
PRIC REQ	INACT	QTR	LINE CNT		
PRIC RCV	CANCEL	MIL	CLASS	PLAN PR	PPC
PRIC COMMENTS	-----				

Figure 4-21.- Purchase Request Utility template.

PRDISP



(a) PRDISP logic flow.
Figure 4-21.- Concluded.

Basic Contract 497 (1)

Purpose: To establish a contract in the database. This template is used
for kinds of action 01, 02, 03.

TEMPLATE ID (BASIC1)

PROGRAM ID (CTR201)

INDIVIDUAL NOTICE OF PROCUREMENT ACTION

NEW BASIC CONTRACTS FOR KINDS OF ACTION 01,02,03 BASIC1

CONTRACT NO ----- CONTRACT DATE ----- COMPLETION DATE -----
PPC -- DISTR DATE --- ORG/BUY --- EXT-CMP - BUS CODE -
CIC CODE ----- PCSS - CONTRACTOR ----- TYPE RECORD --
DIVISION ----- DESCRIPTION -----
NAME CODE ----- PROG NAME ----- P. O. P. CITY -----
P. O. P. STATE -- P. O. P. ZIP ----- PROJ NAME -----
TECH MONITOR ----- MONITOR MAIL CODE ---- TYPE CONTRACT --
INVESTIGATOR ----- TYPE EFFORT ---- KIND ACTION --
PRC COST ---, ---, ---, --- FEE ---, ---, --- SYNOPSISIZED -
TYPE CONTRACTOR -- STAT REQ - TRADE DATA NO - TRADE DATE % --
SUPPORT SERVICES - BUY AMER % --- COST/PERF - AFFIRM ACT PLAN -
PERVIOUS A. A. P. - PROPERTY SPACE HARDWARE - ADMIN DELEGATED - NEW TECH -
SM BUS SUB CTR - GEO DISTR - CONSULTANT CONT - COST ACCT - L. S. A. -
WOMAN OWNED - R. N. S. B. -- AWARD AMT -, ---, ---, ---, ---
OBL AMOUNT -, ---, ---, ---, ---, ---

PR NO IND PR OBL PR NO IND PR DBL
----- - , ---, ---, ---, ---+ ----- - , ---, ---, ---, ---+
----- - , ---, ---, ---, ---+ ----- - , ---, ---, ---, ---+
----- - , ---, ---, ---, ---+ ----- - , ---, ---, ---, ---+

<u>ELEMENT</u>	<u>EDIT</u>
Contract no	Valid prefix (table)
Contract date	Valid date
Completion date	Valid date
PPC	Table (DPC)
Distr date	Valid date
Org/buyer	Table (ORG)
Extent	Table (PPC)
Bus code	PPC table, if blank, use bus code in vendor table

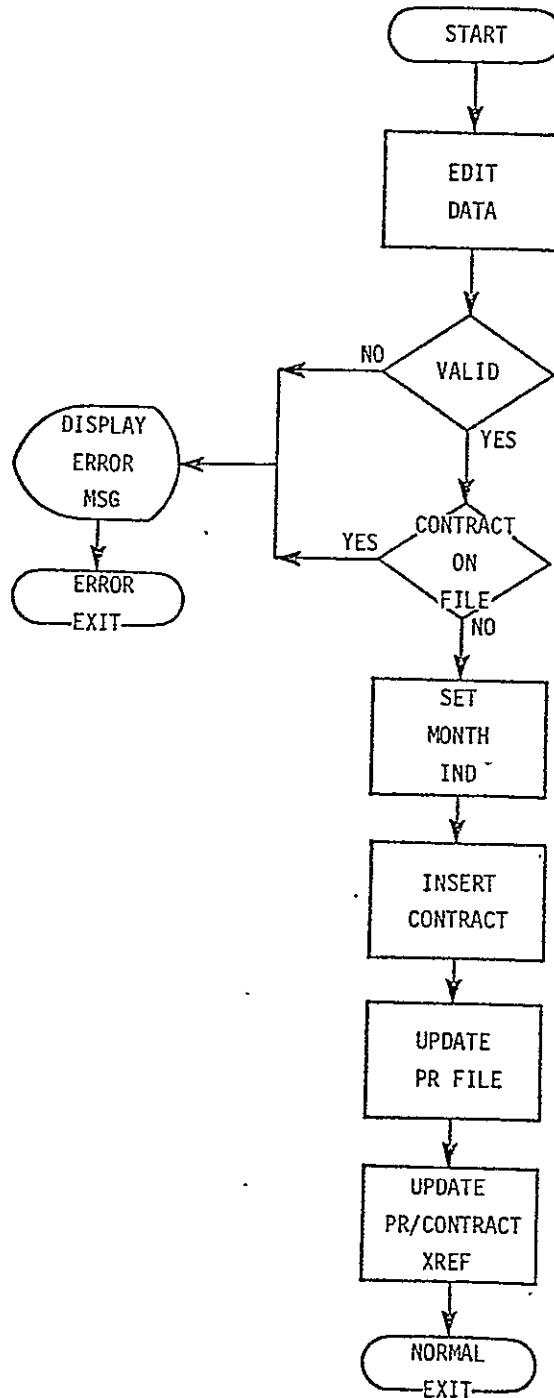
Figure 4-22.- Basic Contract 497 (1) template.

<u>ELEMENT</u>	<u>EDIT</u>
CIC code	Formula
PCSS	Y or N
Contractor (headquarters)	Non blank
Division (headquarters)	No edit
Type record	No edit
Description	Non blank
Name code	Table (vendor) (local name, div, city, state)
Prog name	Alphabetic
P. O. P. city	Non blank
P. O. P. state	Non blank
P. O. P. zip	Non blank
Proj name	Alphabetic
Tech monitor	Non blank
Monitor mail code	First two alpha letters
Type contract	Table (PPC)
Investigator	Table (PPC)
Type effort	Table (PPC)
Kind action	Table (PPC)
Est cost	Greater zero } Table (Type or contract)
Est fee	Greater zero }
Synopsized	Table (PPC)
Type contractor	Table (PPC)
Subj stat req	Table (PPC)
Trade data no	Table (PPC)
Trade data %	Table (PPC)
Support services	Table (PPC)
Buy amer %	Table (PPC)
Performance code	Table (PPC)
Affirm act plan	Table (PPC)
Previous A.A.P.	Table (PPC)
Property space hardware	Table (PPC)
Admin delegated	Table (PPC)
Sm bus sub	Table (PPC)
New tech	Table (PPC)
GEOG distr	Table (PPC)
Consultant cont	Table (PPC)
Cost acct	Table (PPC)
Woman owned	Table (PPC)
Labor surplus	Table (PPC)
Reason not small bus	Table (PPC)
Award amount	Greater zero
OBL this action	Numeric or blank
PR NOS	No duplicates - right milestone
IND	Y, N
PR OBL	Numeric - sum of all obl = obl this action

The word "MORE" in the first four characters of the last pr number allows input of more pr numbers

Figure 4-22. Continued.

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(a) BASIC1 logic flow.
Figure 4-22.- Concluded.

Basic Contract 497 (2)

Purpose: To establish a contract in the database. This template is used for kind of action 04 only.

TEMPLATE ID (BASIC4)	PROGRAM ID (CTR202)				
-----	INDIVIDUAL NOTICE OF PROCUREMENT ACTION NEW BASIC CONTRACTS FOR KIND OF ACTION 04				
CONTRACT NO -----	CONTRACT DATE -- - - -	COMPLETION DATE -- - - -			
PPC --	DISTR DATE -- - - -	ORG/BUY --- --	EXTENT -	BUS CODE -	
CIC CODE -----	PCSS -	CONTRACTOR -----	-----	DIVISION -----	
TYPE RECORD --	DESCRIPTION -----				
NAME CODE -----	P. O. P. CITY -----	P. O. P. STATE --			
P. O. P. ZIP -----	SYNOP N SUP-SRV-CONT N COST PERF N PROP SPACE N				
NEW TECH N GEO DIST N	TYPE CONTR 01 STAT REQ N TRADE DATA NO 0				
TRADE DATA % 00 BUY AMER % 00	PRIC/COST ---, ---, ---, ---+ -				
OBL AMOUNT -, ---, ---, ---+ -	R. N. S. B. --	SUBJ STAT REQ -			
AGEN ORD NO -----	TYPE EFFORT ----	COST ACCT -			
AWARD AMT -, ---, ---, ---+ -	ADMIN DELE -	SML BUS SUB -	L. S. A. -		
PR NO	IND	PR OBL	PR-NO	IND	PR OBL
-----	-----	-----	-----	-----	-----
<u>ELEMENT</u>	<u>EDIT</u>				
Contract no	Valid prefix (table)				
Contract date	Valid date				
Completion date	Valid date				
PPC	Table (PPC)				
Distr date	Valid date				
Org/buyer	Table (ORG)				
Extent	Table (PPC)				
Bus code	PPC table, if blank use bus code in name code table				
CIC code	Formula				
PCSS	Y or N				
Contractor	Not blank (headquarters)				
Division	Alphabetic (headquarters)				
Type record	No edit				
Description	Non blank				
Name code	Table (VENDOR)				
P. O. P. city	Non blank				
P. O. P. state	Non blank				
P. O. P. zip	Non blank				

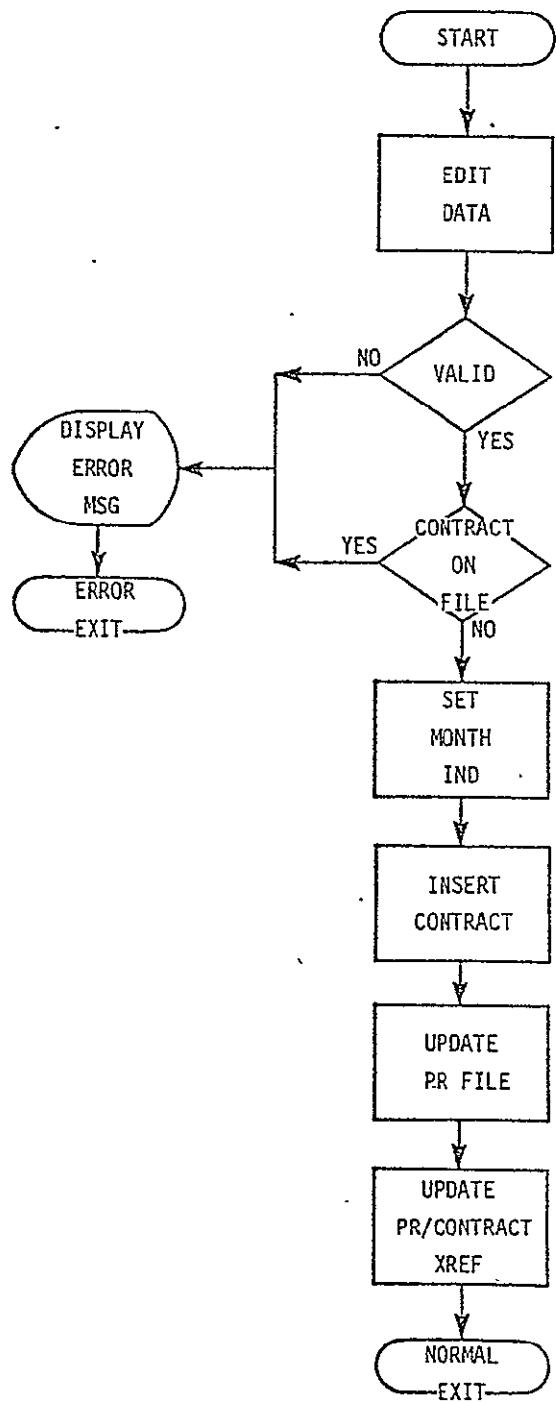
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Figure 4-23.- Basic Contract 497 (2) template.

<u>ELEMENT</u>	<u>EDIT</u>
Synop	Table (PPC)
SUP-SRV-CONT	Table (PPC)
Cost perf	Table (PPC)
Prop space	Table (PPC)
New tech	Table (PPC)
Geo dist	Table (PPC)
Type contr	Table (PPC)
Stat req	Table (PPC)
Trade data no -- %	Table (PPC)
Buy amer %	Table (PPC)
PRJC/cost	Greater zero
Obl amount	Numeric or blank
Reason not small bus	Table (PPC)
Subj stat req	Table (PPC)
Agen ord no	No edit
Type effort	Table
Cost acct	Table (PPC)
Award amt	Numeric
Admin delegated	Table (PPC)
Sm bus sub	Table (PPC)
Labor surplus	Table (PPC)
PR NOS	No duplication - right milestone
IND	Y, N
PR OBL	Numeric - sum of all bl = obl amount

The word "MORE" in the first four characters of the last pr no will allow input of more pr numbers.

Figure 4-23.- Continued.



(a) BASIC4. logic flow.
Figure 4-23.- Concluded.

Basic Contract 497 (3)

Purpose: To establish a contract in the database. This template is used for kind of action 05 only.

TEMPLATE ID (BASIC5)

PROGRAM ID (CTR203)

----- INDIVIDUAL NOTICE OF PROCUREMENT ACTION BASIC5
NEW BASIC CONTRACTS FOR KIND OF ACTION 05

CONTRACT NO ----- CONTRACT DATE -- -- -- COMPLETION DATE -- -- --
DISTR DATE -- -- -- ORG/BUYER -- -- TYPE RECORD -- CIC CODE -
CONTRACTOR ----- DIVISION ----- AWARD -, ---, ---, ---.---+
DESCRIPTION ----- NAME CODE -----
P. O. P. CITY ----- P. O. P. ST -- P. O. P. ZIP -----
TYPE CONTRACT 17 BUS CODE I PPC 98
OBL AMOUNT -, ---, ---, ---.---+ TYPE EFFORT ---- PRC/COST --, ---, ---, ---

PR NO	IND	PR OBL	PR NO	IND	PR OBL
-----	-	-, ---, ---, ---.---+	-----	-	-, ---, ---, ---.---+
-----	-	-, ---, ---, ---.---+	-----	-	-, ---, ---, ---.---+
-----	-	-, ---, ---, ---.---+	-----	-	-, ---, ---, ---.---+

<u>ELEMENT</u>	<u>EDIT</u>
Contract no	Valid prefix (table)
Contract date	Valid date
Completion date	Valid date
Distr date	Valid date
Org/buyer	Table (ORG)
Type record	No edit
CIC code	Formula
Contractor	Not blank (headquarters)
Division	Alphabetic (headquarters)
Award amt	Numeric
Description	Non blank
Name code	Table (bus code), (local name, div, city, state)
P. O. P. city	Non blank
P. O. P. state	Non blank
P. O. P. zip	Non blank
Type contract	Table (type)
Bus code	Table (PPC)
PPC	Table (PPC)
Obl amount	Numeric or blank

Figure 4-24.- Basic Contract 497 (3) template.

ELEMENT

Type effort
PRC/cost
PR nos
IND
PR OBL

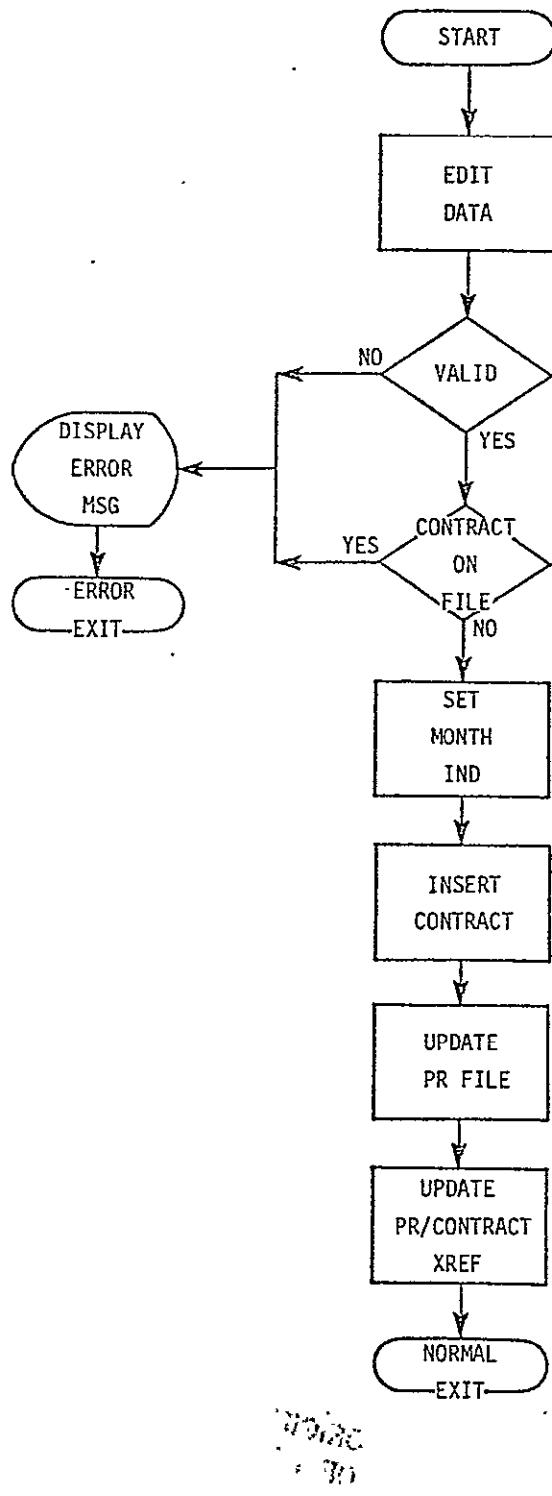
EDIT

Table
Numeric
No duplicates - right milestone
Y, N
Numeric - sum of all obl = obl this
action

The word "MORE" in the first four
characters of the last pr no allows
input of more pr numbers

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Figure 4-24. Continued.



(a) BASIC5 logic flow.
Figure 4-24.- Concluded.

Basic Contract 497 (4)

Purpose: To establish a contract in the database. This template is used for kind of action 06 or 21.

TEMPLATE ID (BASIC6)

PROGRAM ID (CTR204)

----- INDIVIDUAL NOTICE OF PROCUREMENT ACTION BASIC6
NEW BASIC CONTRACTS FOR KIND OF ACTION 06

CONTRACT NO ----- CONTRACT DATE -- -- -- COMPLETION DATE -- -- --
PPC -- DISTR DATE -- -- -- ORG/BUY -- -- -- EXTENT - BUS CODE -
CIC CODE ----- PCSS - CONTRACTOR ----- DIVISION -----
DESCRIPTION ----- NAME CODE -----
P. O. P. CITY ----- P. O. P. STATE -- P. O. P. ZIP -----
PROJ NAME ----- TECH MONITOR ----- MONITOR MAIL CODE -----
PRIC/COST -- , -- , -- , -- + OBL AMOUNT -- , -- , -- , -- +
TYPE CONTRACTOR -- TYPE EFFORT ----- AWARD AMT -- , -- , -- , -- +
INVESTIGATOR ----- TYPE CONTRACT -- PROG NAME -----
KIND ACTION -- TYPE RECORD -- L. S. A. -

PR NO	IND	PR OBL	PR NO	IND	PR OBL
-	, -- , -- , -- .+ --	-	-	, -- , -- , -- .+ --	
-	, -- , -- , -- .+ --	-	-	, -- , -- , -- .+ --	
-	, -- , -- , -- .+ --	-	-	, -- , -- , -- .+ --	

ELEMENT

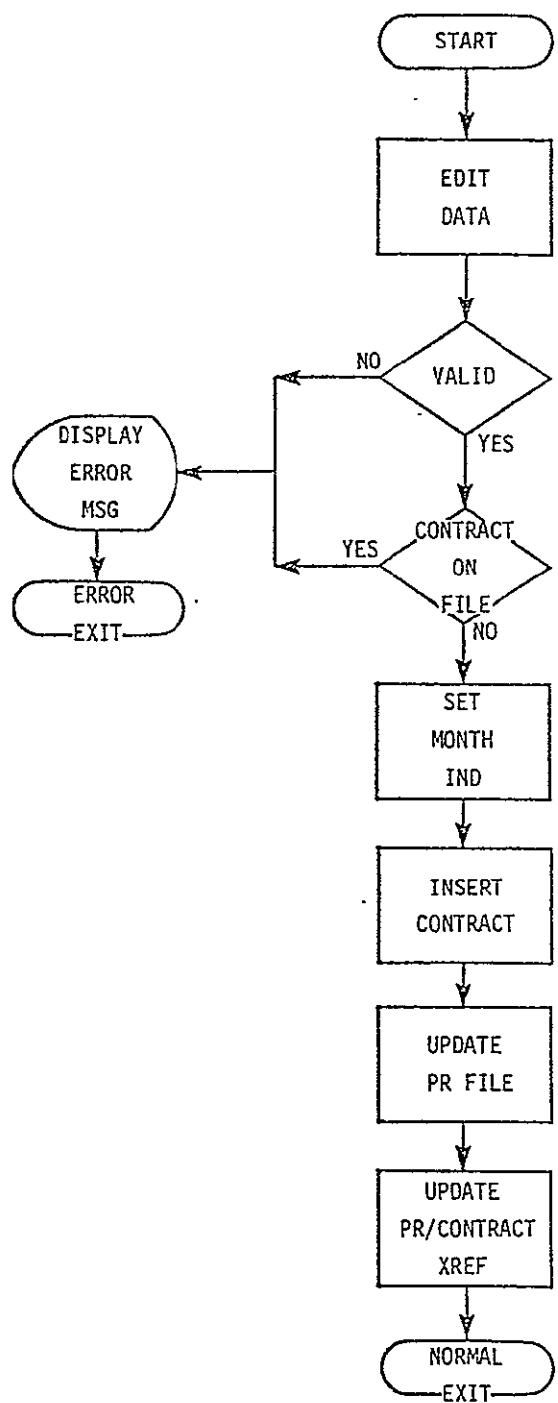
EDIT

Contract no	Valid prefix
Contract date	Valid date
Completion date	Valid date
PPC	Table (PPC)
Distr date	Valid date
Org/buyer	Table (ORG)
Extent	Table (PPC)
Bus code	PPC table, if blank use bus code in name code table
CIC code	Formula
PCSS	Y or N
Contractor	Not blank (headquarters)
Division	Alphabetic
Description	Non blank
Name code	Table (vendor)
P. O. P. city	Non blank
P. O. P. state	Non blank
P. O. P. zip	Non blank
Proj name	Non numeric or space
Tech monitor	Non blank
Monitor mail code	First two alpha

Figure 4-25.- Basic Contract 497 (4) template.

<u>ELEMENT</u>	<u>EDIT</u>
Pric/cost	Greater zero
Obl amount	Numeric
Type contractor	Table (PPC)
Type effort	Table
Award amt	Numeric
Investigator	Non blank
Type contract	Table
Prog name	Alphabetic or blank
Kind action	Table (PPC)
Type record	No edit
L. S. A.	Table (PPC)
PR nos	No duplicates - right milestone
IND	Y, N
PR obl	Numeric - sum of all obl = obl amount

Figure 4-25.- Continued.



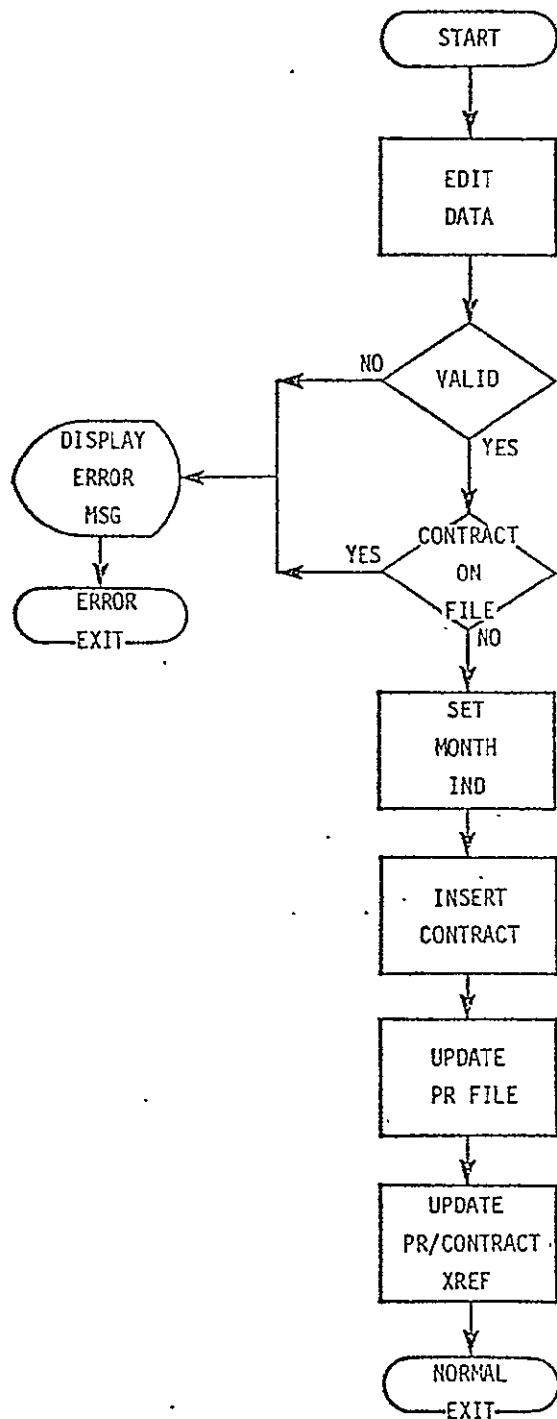
(a) BASIC6 logic flow.
Figure 4-25.- Concluded.

No Cost Contracts

Purpose: To establish a no cost contract on the database. This is used for all types of contract 19 input.

TEMPLATE ID (NOCOST)	PROGRAM ID (CTR205)		
-----	NO COST BASIC CONTRACTS		
CONTRACT NO -----	CONTRACT DATE -- - - -	PPC --	TYPE CONTRACT 19
ORG/BUYER ---- -	COMPLETION DATE -- - - -	NAME CODE -----	
DESCRIPTION -----			
PR NO	IND		
-----	-		
ELEMENT	EDIT		
Contract no	Valid prefix (table)		
Contract date	Valid date		
PPC	Table		
Type contract	Table (PPC)		
Org/buyer	Table		
Completion date	Valid date		
Name code	Table		
Description	Non blank		
PR no	Right milestone		
IND	Y, N		

Figure 4-26.- No Cost Contracts template.



(a) NOCOST logic flow.
Figure 4-26.- Concluded.

Purchase Order Administrative Change

Purpose: To establish modification records for Purchase Orders in the system.

TEMPLATE ID (985)

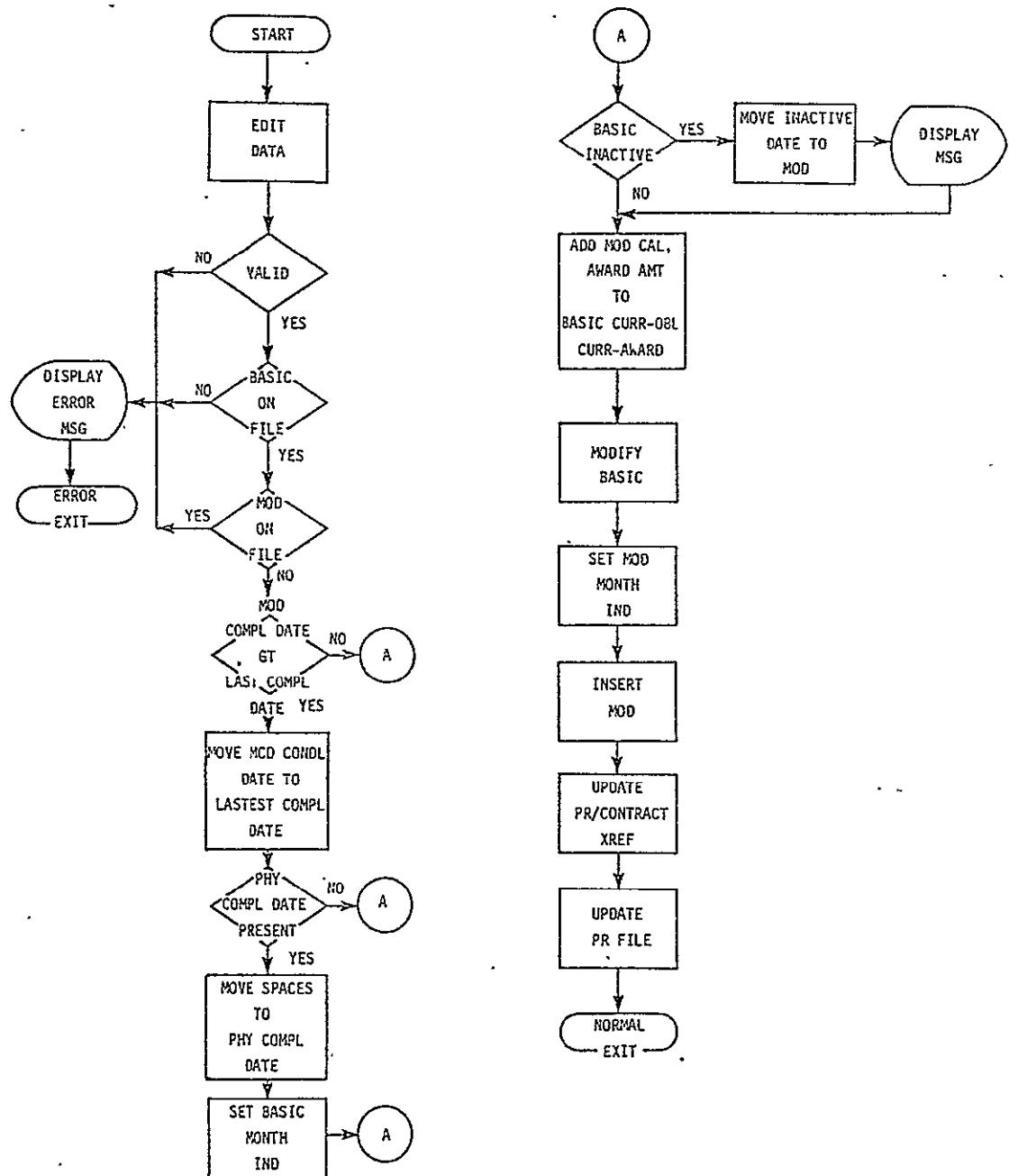
PROGRAM ID (CTR206)

PURCHASE ORDER ADMINISTRATIVE CHANGE

CONTRACT NO ----- MOD: NO --- TYPE - MOD DATE -- - --
ORG/BUYER ----- COMPLETION DATE -- - --
DESCRIPTION -----
PR NO IND PR OBL PR NO IND PR OBL
----- - , ---, ---, ---+ ----- - , ---, ---, ---+
----- - , ---, ---, ---+ ----- - , ---, ---, ---+
----- - , ---, ---, ---+ ----- - , ---, ---, ---+

<u>ELEMENT</u>	<u>EDIT</u>
Contract no	Valid prefix (table)
Mod no	Numeric
Type	Table
Mod date	Valid date
Org/buyer	Table
Completion date	Valid date
Description	Valid date
PR no	Non blank
Ind	No duplicates - right milestone
Obl	Y, N
	Numeric - sum all obl

Figure 4-27.- Purchase Order Administration Change template.



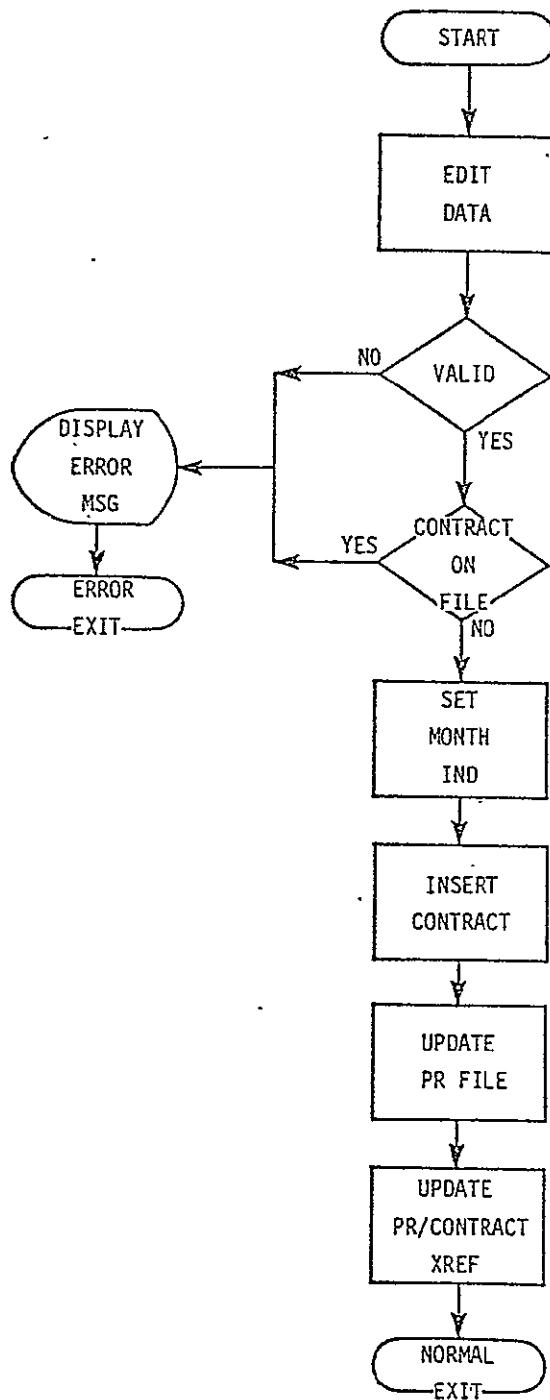
(a) 985 logic flow.
Figure 4-27.- Concluded.

Order for Supplies or Services

Purpose: To establish purchase orders in data base.

TEMPLATE ID (1379)	PROGRAM ID (CTR207)				
----- ORDER FOR SUPPLIES OR SERVICES -----					
CONTRACT NO -----	AGENCY ORDER NO -----	ORG/BUYER -----			
DISTR DATE -- - -	COMPLETION DATE -- - -	TYPE CONTRACT --			
TYPE RECORD --	NAME CODE -----	OBL AMOUNT --, --, --, --. --			
DESCRIPTION -----					
PR NO	IND	PR OBL	PR NO	IND	PR OBL
-----	-	, ---, ---, ---.---+	-----	-	, ---, ---, ---.---+
-----	-	, ---, ---, ---.---+	-----	-	, ---, ---, ---.---+
-----	-	, ---, ---, ---.---+	-----	-	, ---, ---, ---.---+
 <u>ELEMENT</u>			 <u>EDIT</u>		
Contract no	Table (prefix)				
Agency order no	No edit				
Org/buyer	Table				
Distr date	Valid date				
Completion date	Valid date or C, D				
Type contract	Table (PPC)				
Type record	No edit				
Name code	Table (vendor)				
PPC	Table				
Obl amount	Numeric or blank				
Description	Non blank				
PR no	No duplication - right milestone				
IND	Y, N				
PR OBL	Numeric or blank				

Figure 4-28.- Order for Supply or Services template.



(a) 1379 logic flow.
Figure 4-28.- Concluded.

• Additional Provisions - Modifications and Acceptance

Purpose: To establish a modification to a purchase order.

TEMPLATE ID (1379B)

PROGRAM ID (CTR208)

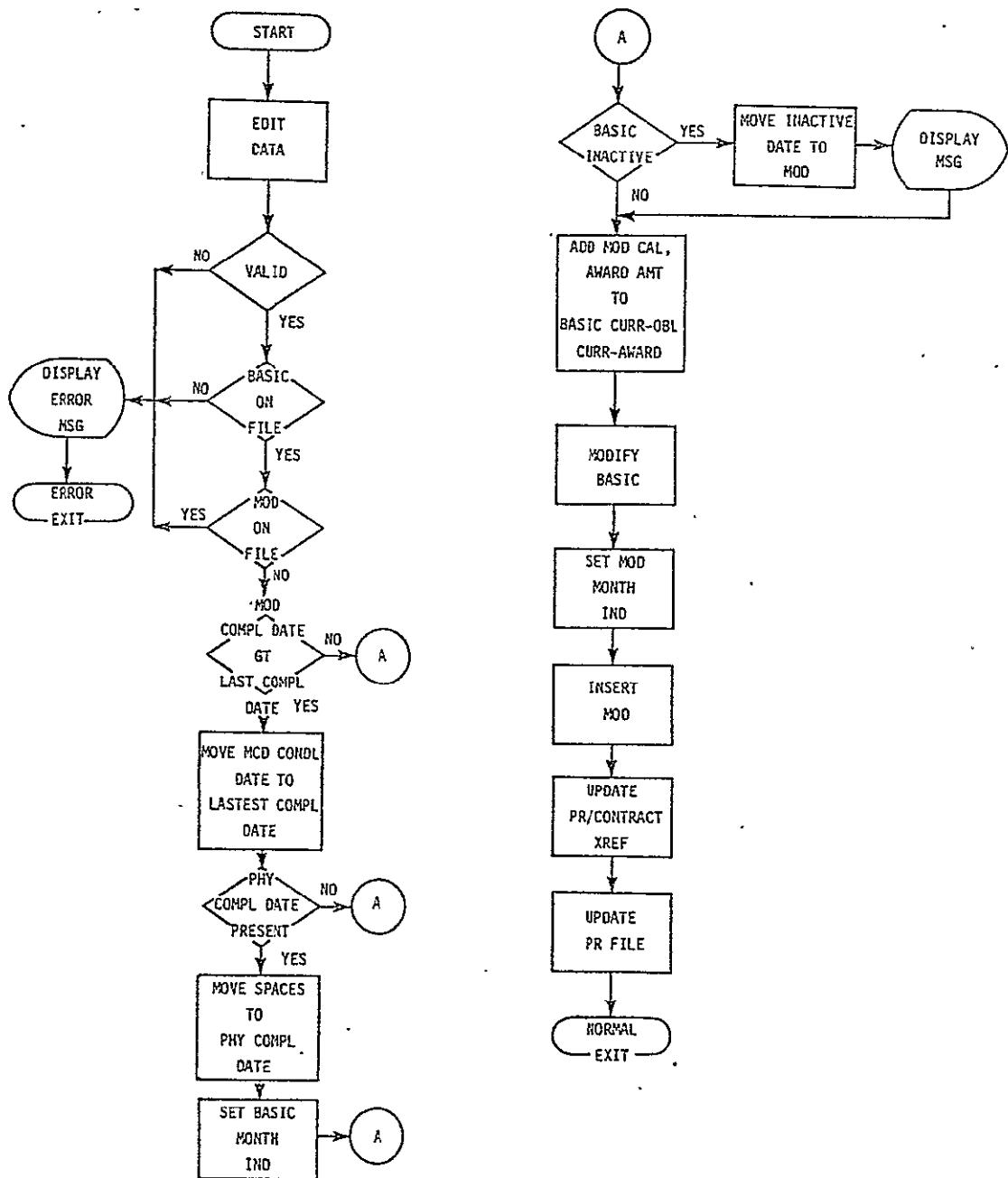
ADDITIONAL PROVISIONS
MODIFICATIONS AND ACCEPTANCE

CONTRACT NO ----- MOD: NO --- TYPE - MOD DATE - - - -
 ORG/BUYER --- -- COMPLETION DATE - - - -
 DESCRIPTION -----

PR NO	IND	PR OBL	PR NO	IND	PR OBL
-----	-	, ---, ---, ---+-----	-----	-	, ---, ---, ---,
-----	-	, ---, ---, ---+-----	-----	-	, ---, ---, ---,
-----	-	, ---, ---, ---+-----	-----	-	, ---, ---, ---,

<u>ELEMENT</u>	<u>EDIT</u>
Contract no	Table (prefix)
Mod: no	Numeric (not blank)
Type	Mod type table
Mod date	Valid date
Org/buyer	Table
Completion date	Valid date or C, D
Description	Non blank
PR No	No duplication
Ind	Y, N
PR OBL	Numeric

Figure 4-29.- Additional Provisions
Modifications and
Acceptance template.



(a) 1379B logic flow.
Figure 4-29.- Concluded.

Amendment of Contract - Standard Form 30

Purpose: To create modification records for contracts already existing in the system.

TEMPLATE ID (SF30)

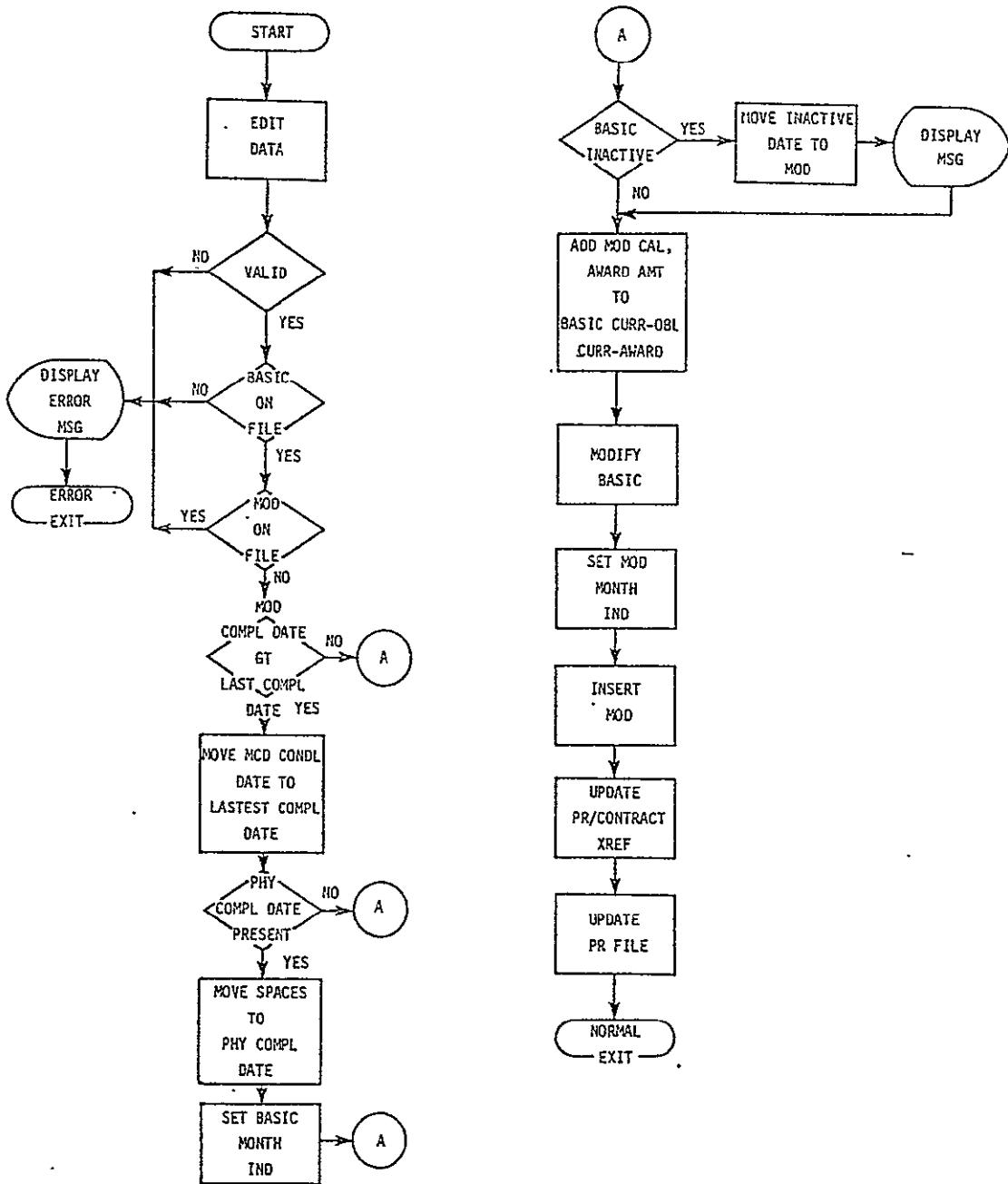
PROGRAM ID (CTR209)

----- AMENDMENT OF SOL/MOD OF CONTRACT SF30
CONTRACT NO ----- MOD: NO ---- TYPE - MOD DATE -- -- --
ORG/BUYER ----- COMPLETION DATE -- -- --
AWARD AMT --, --, --.---+ OBL AMOUNT --, --, --.---+
DESCRIPTION -----

PR NO	IND	PR OBL	PR NO	IND	PR OBL
-----	-	, --, --, --, --.---+	-----	-	, --, --, --.---+
-----	-	, --, --, --, --.---+	-----	-	, --, --, --.---+
-----	-	, --, --, --, --.---+	-----	-	, --, --, --.---+

<u>ELEMENT</u>	<u>EDIT</u>
Contract no	Valid prefix (table)
Mod type	Table
Mod date	Valid date
Org/buyer	Table
Completion date	Valid date
Award amt	Numeric
OBL amount	Numeric
Description	Non blank
PR No	No duplicates - right milestone
IND	Y, N
OBLG	Numeric, sum all amts

Figure 4-30.- Amendment of Contract -
Standard Form 30 template.



(a) SF30 logic flow.
Figure 4-30.- Concluded.

Purchase Order Invoice Voucher - Standard Form 44

Purpose: The basic input for purchase orders. It is used for over the counter purchases when NASA personnel are away from the procurement office or home installation.

TEMPLATE ID (SF44)

PROGRAM ID (CTR210)

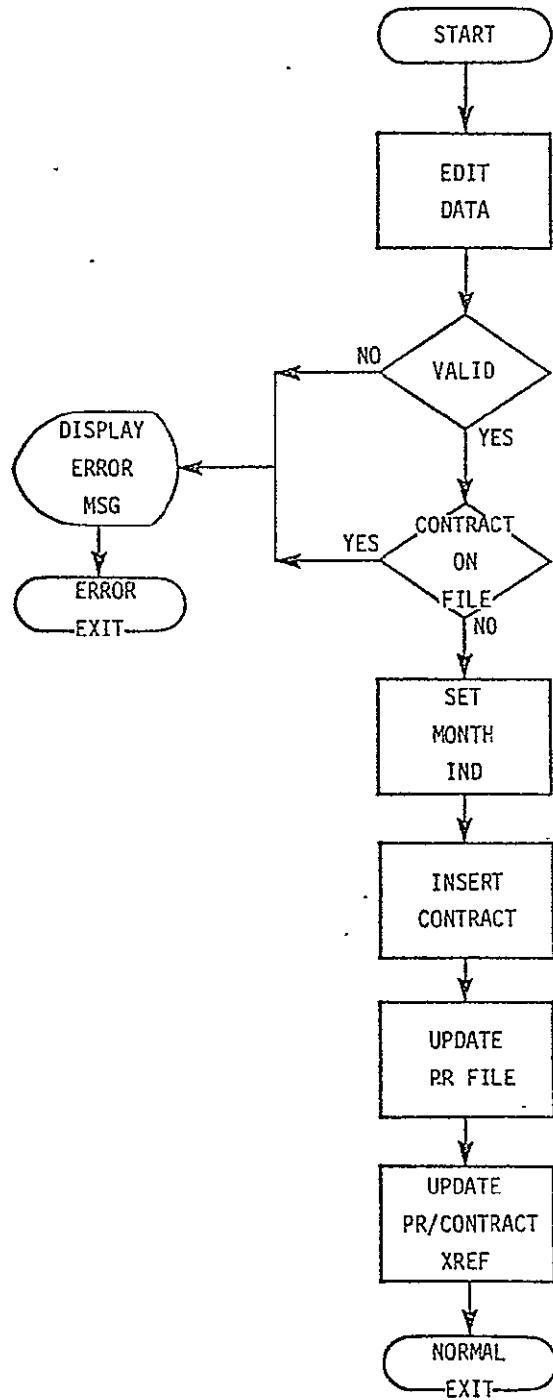
PURCHASE ORDER INVOICE VOUCHER

SF44 .

CONTRACT NO ----- DISTR DATE -- -- -- NAME CODE -----
ORG/BUYER ---- -- PPO -- COMPLETION DATE -- -- --
TYPE CONTRACT 01 TYPE RECORD --
DESCRIPTION -----
PR NO ----- IND - OBL --, --, --. --+

<u>ELEMENT</u>	<u>EDIT</u>
Contract no	Valid prefix (table) expand to 12 char
Contract date	Valid date
Name code	Table
PPC	Table
Org/buyer	Table
Completion date	Valid date
OBL this action	Numeric (must equal the sume of all PR obl)
Description	Non blank
PR no	Right milestone
IND	Y, N
PR OBL	Numeric

Figure 4-31.- Purchase Order Invoice Voucher - Standard Form 44 template.



(a) SF44 logic flow.
Figure 4-31.- Concluded.

Purchase Order

Purpose: It is one of the basic input templates for purchase orders. It is used to place oral orders with contractors who do not require written orders.

TEMPLATE ID (OV91)

PROGRAM ID (CTR211)

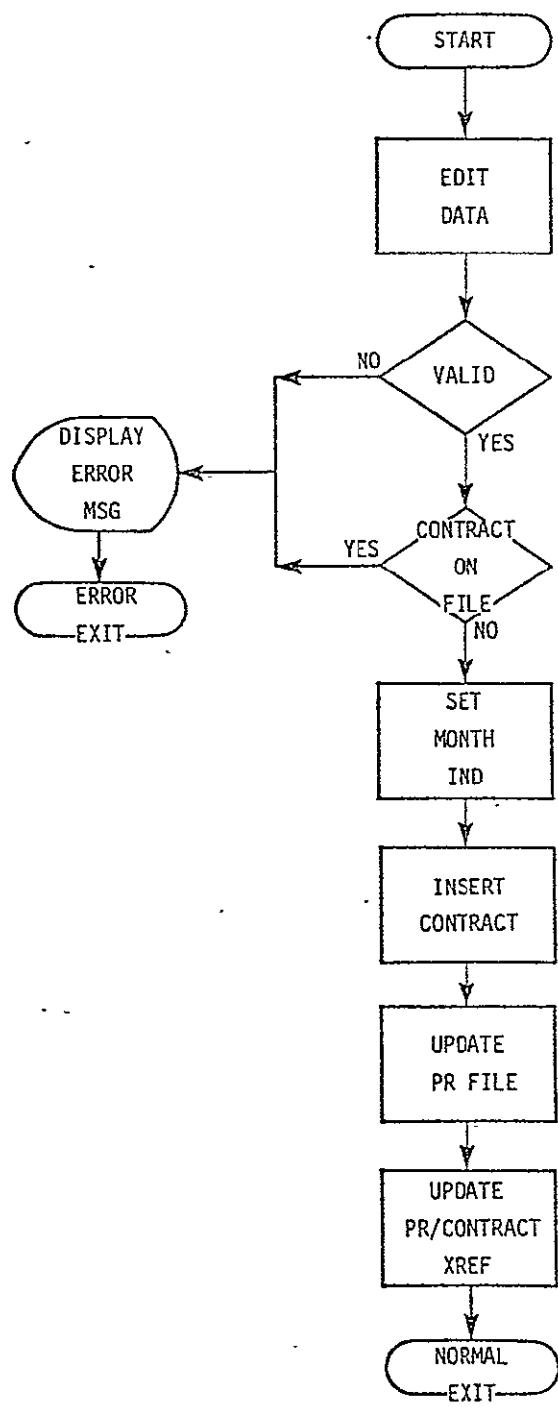
-----	PURCHASE ORDER	OV91			
CONTRACT NO -----	CONTRACT DATE -- -- --	NAME CODE -----			
ORG/BUYER --- -- PPC --	COMPLETION DATE -- -- --	TYPE CONTRACT 01			
DESCRIPTION -----					
OBL AMOUNT --, --, --.-+					
PR NO	IND	PR OBL	PR NO	IND	PR OBL
-----	-	--, --, --, --.-+	-----	-	--, --, --.-+
-----	-	--, --, --, --.-+	-----	-	--, --, --.-+
-----	-	--, --, --, --.-+	-----	-	--, --, --.-+

ELEMENT

EDIT

Contract no	Valid prefix (table)
Contract date	Valid date
Name code	Table (vendor)
Org/buyer	Table (org)
PPC	Table
Delivery date	Valid date
Description	Non blank
OBL amount	Numeric or blank
PR no	No duplicate - right milestone
IND	Y, N
OBL	Numeric - sum of all PR OBL = OBL amount

Figure 4-32.- Purchase Order template.



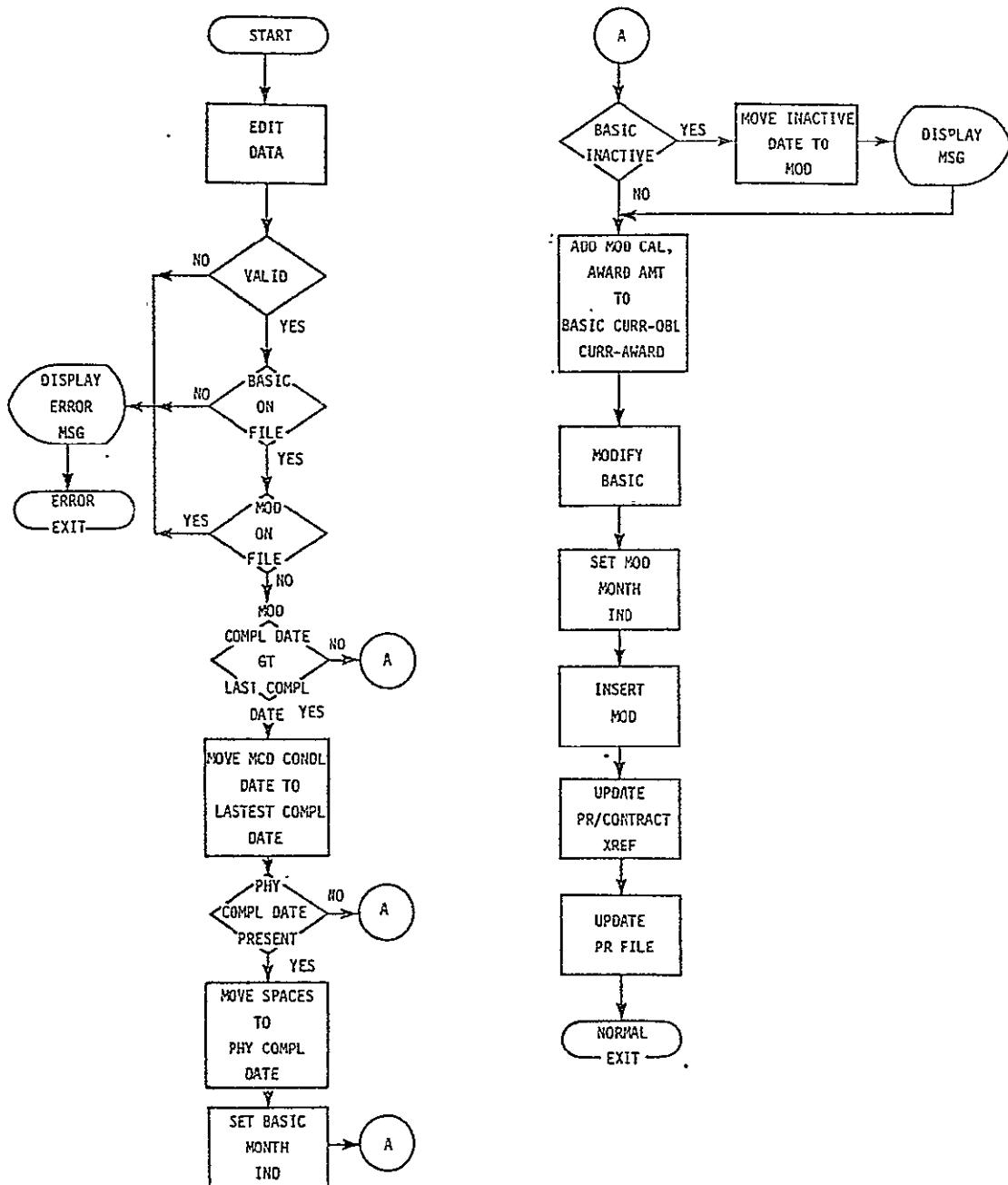
(a) OV91 logic flow.
Figure 4-32.- Concluded.

BPA Call

Purpose: The Blanket Purchase Agreement Call template is used to add contract modification to a Blanket Purchase Agreement previously established on the IPMS Contracts Data Base.

TEMPLATE ID (BPA)	PROGRAM ID (CTR212)		
-----	BPA CALL		
CONTRACT NO -----	MOD: NO ---	TYPE K	MOD DATE -- - - -
DESCRIPTION -----			
PR NO	IND	PR OBL	
-----	- , ---, ---, ---+-----		
<u>ELEMENT</u>		<u>EDIT</u>	
Contract no		Table (prefix)	
Mod: no		Numeric (not blank)	
Mod type		Table (mod type)	
Mod date		Valid date	
Description		Non blank	
PR No		Non blank	
IND		Y, N	
PR OBL		Numeric	

Figure 4-33.- BPA Call template.



(a) BPA logic flow.
Figure 4-33.- Concluded.

Status of Physically Completed

Purpose: The Status of Physically Completed Cost Type Contracts, grants, intergovernmental template is a status template to track the four contract milestones against physically complete contracts: Property Disposition Date, New Technology Date, Voucher Date Completed, and Close Out Date.

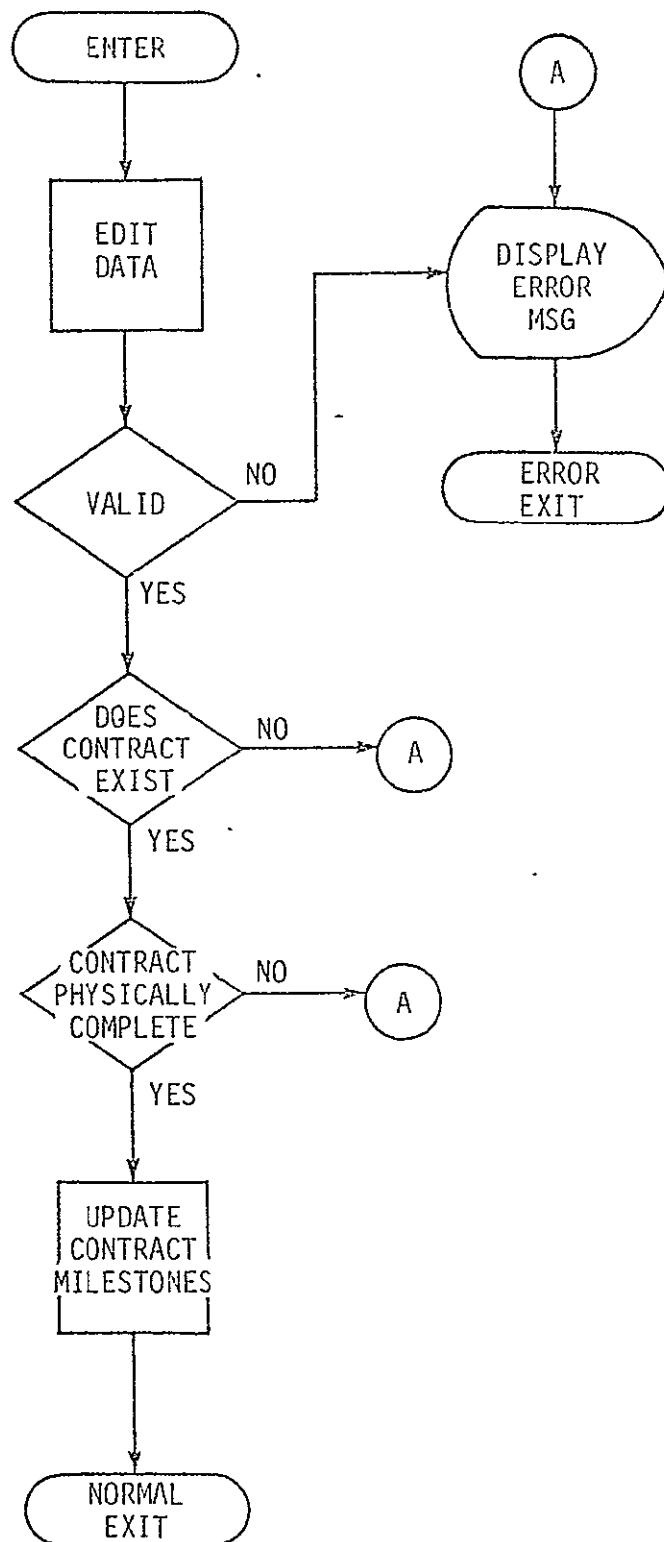
TEMPLATE ID (1263)

PROGRAM ID (CTR213)

-----	STATUS OF PHYSICALLY COMPLETED	1263
CONTRACT NO -----		
NEW TECHNOLOGY DATE -- -- --	GOVERNMENT PROPERTY DATE -- -- --	
AUDIT & FINAL VOUCHER DATE -- -- --	CONTRACT CLOSED DATE -- -- --	
STATUS -----		

<u>ELEMENT</u>	<u>EDIT</u>
Contract no	Table (prefix)
New technology date	Valid date
Government property date	Valid date
Audit and final voucher	Valid date
Contract closed date	Valid date
Status	No edit

Figure 4-34.- Status of Physically Completed template.



(a) 1263 logic flow.
Figure 4-34.- Concluded.

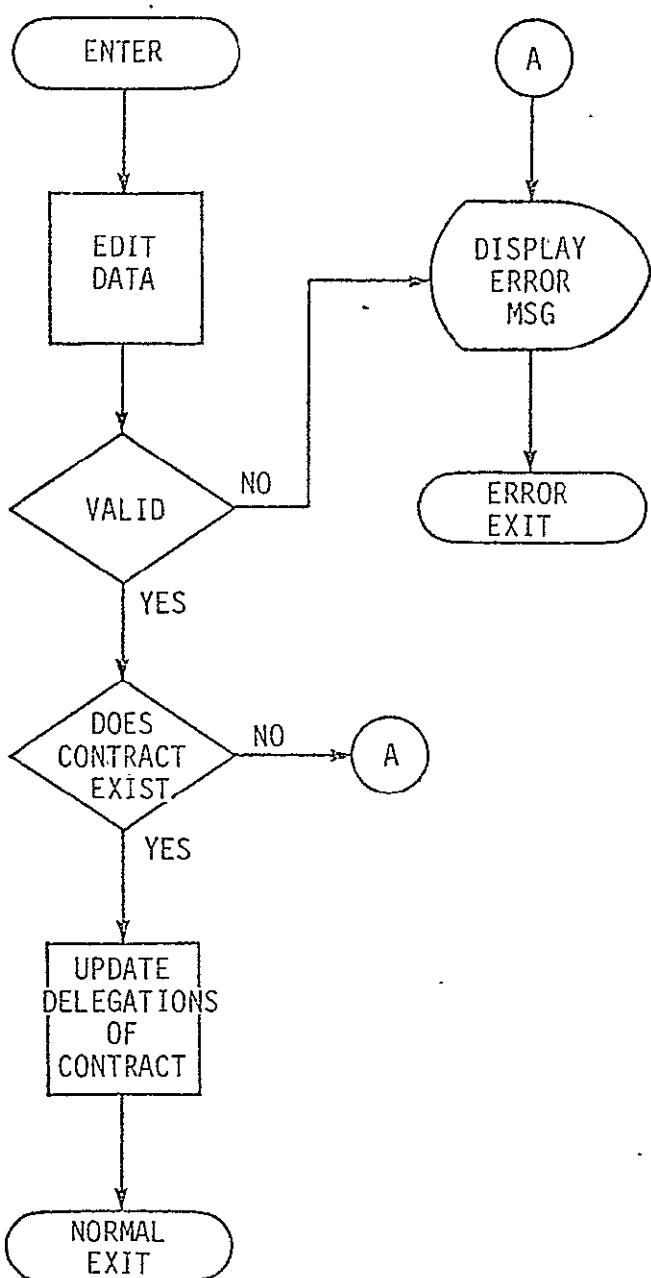
Contract Delegation Data

Purpose: To establish Contract Delegation Data information for an existing contract in the IPMS Contracts Data Base.

TEMPLATE ID (2274)	PROGRAM ID (CTR214)	
CONTRACT DELEGATION DATA 2274		
CONTRACT NO -----	DELEGATION DATE -- - --	DOD OFFICE -----
DELEGATIONS		
QA - AU - CA - GP - PR - OTHER -----	GFP CLAUSE -----	
<u>ELEMENT</u>		<u>EDIT</u>
Contract no	Valid prefix (table)	
Delegation date	Valid date	
DOD office	No edit	
Delegations:		
AU	'X' or space	
CA	'X' or space	
GP	'X' or space	
QA	'X' or space	
PR	'X' or space	
Other	A/N or space	
GFP Clause	A/N or space	

Figure 4-35.- Contract Delegation Data template.

2274



(a) 2274 logic flow.
Figure 4-35.- Concluded.

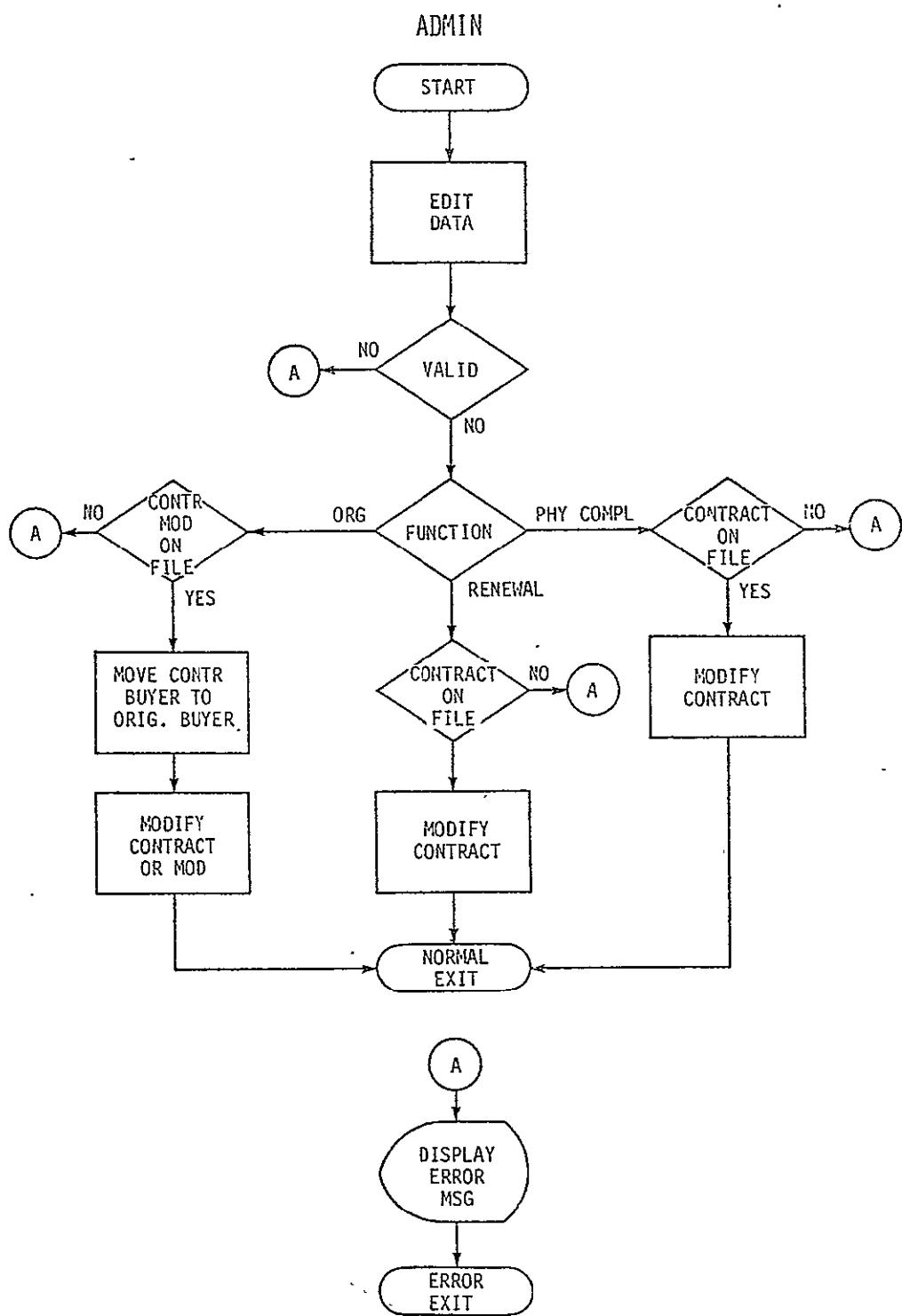
Individual Notice of Procurement Action - Administrative

Purpose: This template is used to change certain elements of contract data.

INDIVIDUAL NOTICE OF PROCUREMENT ACTION
ADMINISTRATIVE
CONTRACT NO ----- MOD: NO ---
ORG/BUYER ----- PHYSICALLY COMPLETE DATE -- - - -
UNIVERSITY RENEWAL STATUS CODE -

<u>ELEMENT</u>	<u>EDIT</u>
Contract no	Non blank
Mod	No edit.
Org/buyer	Table
Physically complete date	Valid date
University renewal status code	1, 2, 3, 4

Figure 4-36.- Individual Notice of Procurement Action - Administrative template.



(a) ADMIN logic flow.
Figure 4-36.- Concluded.

Individual Notice of Procurement Action - Modifications

Purpose: To establish modifications records for basic contract data.

TEMPLATE ID (MODS)

PROGRAM ID (CTR216)

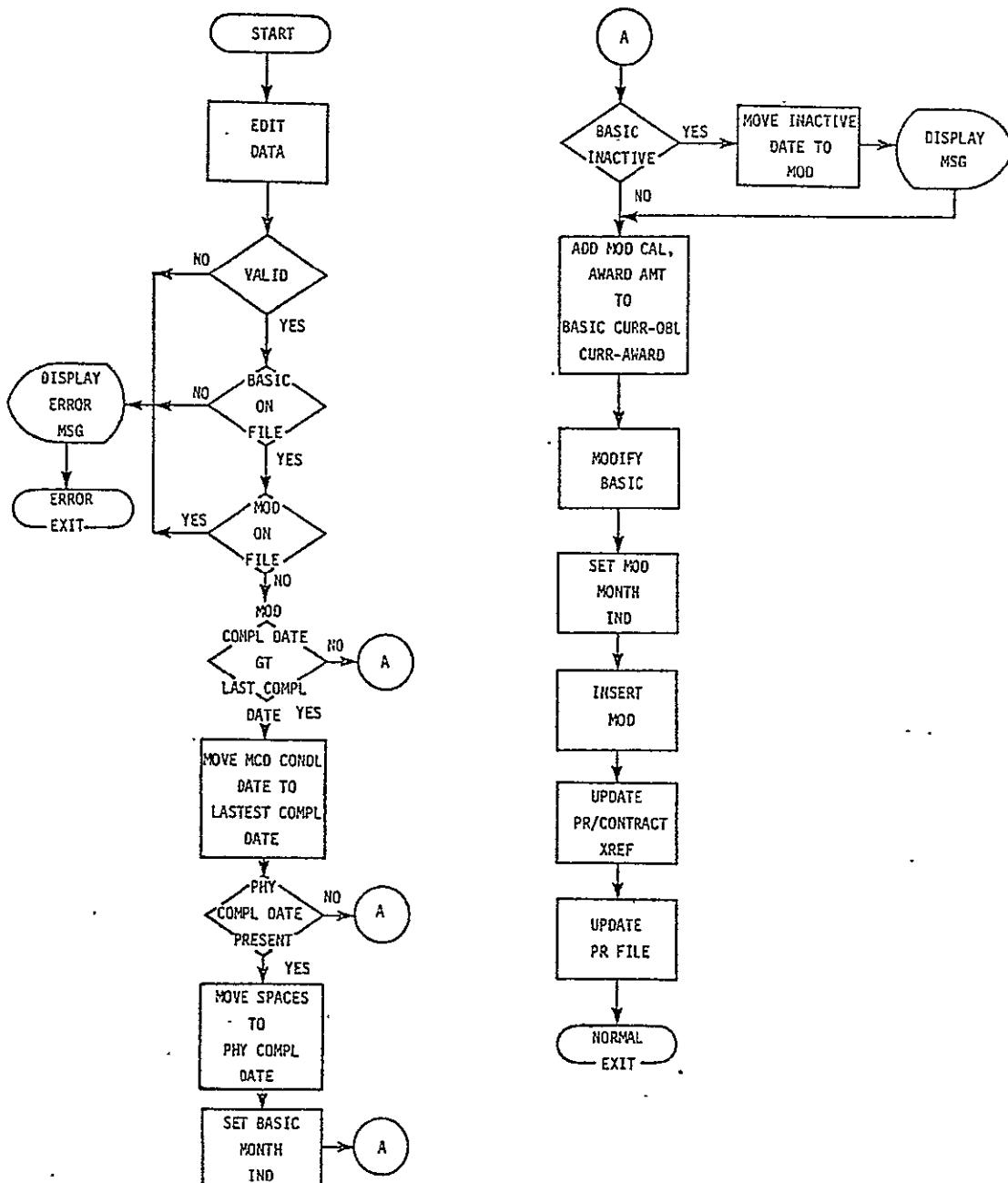
----- INDIVIDUAL NOTICE OF PROCUREMENT ACTION MODS
MODIFICATIONS

CONTRACT NO ----- MOD --- TYPE - MOD DATE -- -- --
COMPLETION DATE -- -- -- DISTR DATE -- -- -- ORG/BUYER -- --
DESCRIPTION ----- TYPE CONTRACT --
TYPE RECORD -- PRICE COST --, --, --, --+ FEE --, --, --+
SYNOPSISIZED - AWARD AMOUNT -, --, --, --.-+ KIND OF ACTION --
OBL AMOUNT -, --, --, --.-+

PR NO	IND	PR OBL	PR NO	IND	PR OBL
-----	-	, --, --, --, --.-+	-----	-	, --, --, --, --.-+
-----	-	, --, --, --, --.-+	-----	-	, --, --, --, --.-+
-----	-	, --, --, --, --.-+	-----	-	, --, --, --, --.-+

<u>ELEMENT</u>	<u>EDIT</u>
Contract no	Valid prefix (table)
Mod	Numeric
Type	Table (mod type)
Mod date	Valid date
Completion date	Valid date
Distr date	Valid date
Org/buyer	Table (org)
Description	Non blank
Type contract	Match basic rec.
Price/cost	Numeric or blank
Fee	--
Synopsisized	Y, N or blank
Award amt	Numeric or blank
OBL amt	Numeric or blank
Kind action	Table (mod type)
PR no	No duplicate - right milestone
IND	Y, N
PR OBL	Numeric

Figure 4-37.- Individual Notice of Procurement Action - Modifications template.



(a) MODS logic flow.
Figure 4-37.- Concluded.

Contract Utility

Purpose: To allow the user to change or delete contract information in the system.

TEMPLATE ID (CTDISP)

PROGRAM ID (CTR217)

Edits for data elements will be the same as the original input.

CONTRACT UTILITY SECTION 1
CONTRACT NUMBER ----- FUNCTION -----
CONTRACT DATE -- COMPLETION DATE -- LASTEST COMPL --
DISTR DATE -- PPC -- PROC ORG/BUYER -- BUS CODE -
1ST ENT -- LST CHG -- INACT -- PHY CMP --
DESCRIPTION ----- NAME CODE -----
TYPE EFFORT ---- R. N. S. B. -- PRIN. INVEST ----- NON PRINT -
PROG ----- PROJ -- TYPE CONTRACT -- TYPE RECORD --
TECH MONITOR ----- TE MAIL CODE --- TE EXT -----

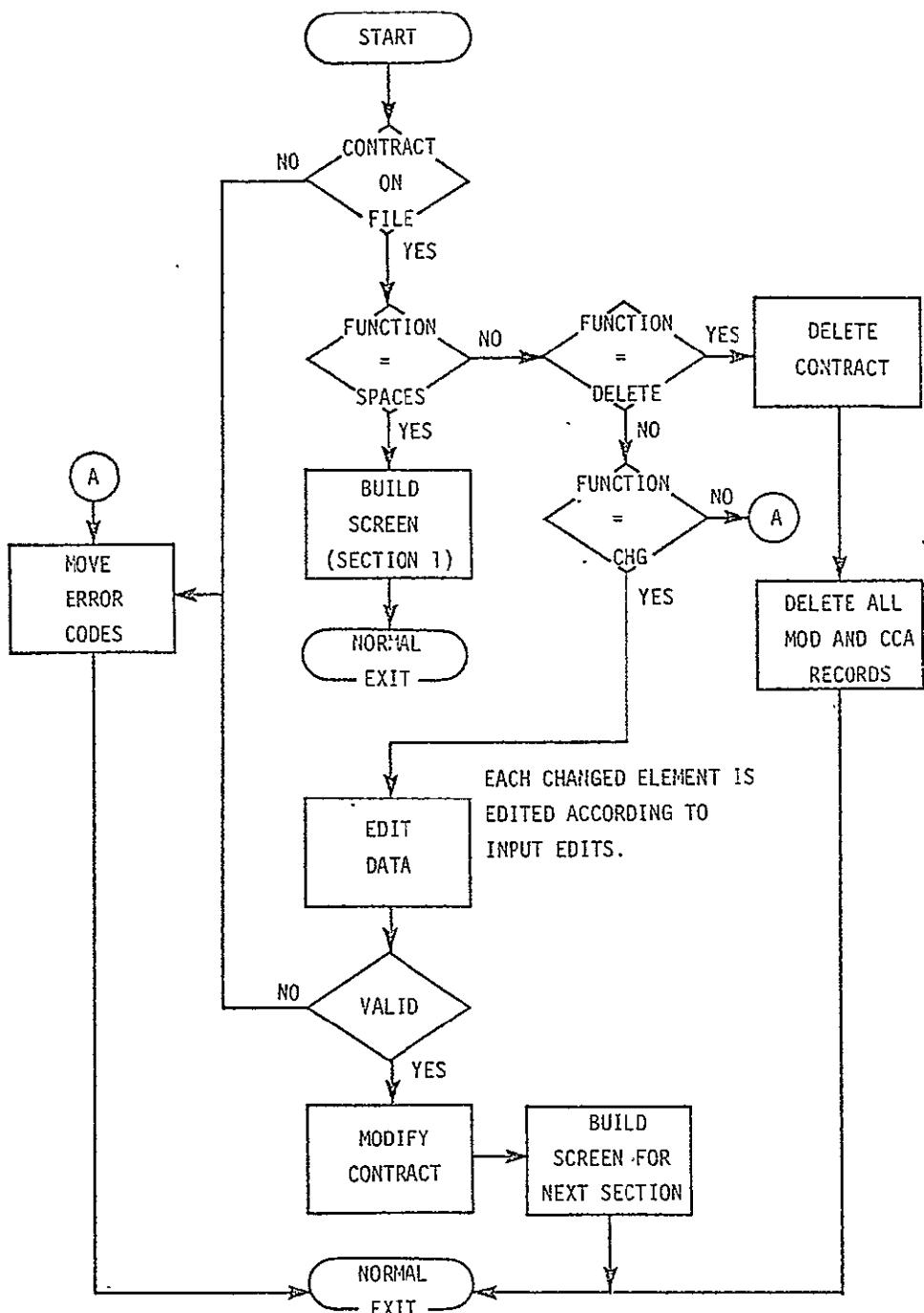
CONTRACT UTILITY SECTION 2
CONTRACT NUMBER -----
PRC/COST ---, ---, ---, --- FEE ---, ---, --- FACS DATE ---
AWARD AMT -, ---, ---, --- OBL AMOUNT -, ---, ---, --- OBL SOURCE -
PRIOR YR AWARD -, ---, ---, --- CURR YR AWARD -, ---, ---, ---
PRIOR YR OBL -, ---, ---, --- CURR YR OBL -, ---, ---, ---
PRIOR YR COST -, ---, ---, --- CURR YR COST -, ---, ---, ---
PRIOR YR DISB -, ---, ---, --- CURR YR DISB -, ---, ---, ---

CONTRACT UTILITY SECTION 3
CONTRACT NUMBER -----
EX CMP - CIC CODE ----- PCSS - KIND ACT -- ADMIN DELEGATED -
HQD CONTRACTOR ----- DIV ----- NEW TECH - GEO DISTR -
P. O. P. CITY ----- P. O. P. ST -- P. O. P. ZIP -----
SM BUS SUB CTR - CONSULTANT CONT - F. S. - TERM CTR - CCA CHANGE -
TYPE CONTRACTOR -- AGENCY ORD ----- STAT REQ - TRADE DATA NO -
ORIG. ORG/BUYER ----- ORIG. BUYER NAME ----- TRADE DATA % --

CONTRACT UTILITY SECTION 4
CONTRACT NUMBER -----
SYNOPSISZED - SUPPORT SERVICES - COST PERF - A. A. P. - PREV A. A. P. -
BUY AMER % -- PROP SPACE HARDWARE - COST ACCTG - WOMEN OWNED - L. S. A. -
RENEWAL STAT - INACTIVE IND - DELEGATION DATE -- DOD OFFICE ---
DELEGATION CODES AV - CA - GP - OA - PR - GFP ----- OTHER -----
VOUCHER -- -- PROPERTY COMPL -- -- TECHNICAL COMPL -- --
CLOSE OUT -- -- STATUS -----

Figure 4-38.- Contract Utility template.

CTDISP



(a) CTDISP logic flow.
Figure 4-38.- Concluded.

MORE PR

Purpose: To allow the input of more PR numbers for contract or mode records.

TEMPLATE ID (MOREPR)

PROGRAM ID (CTR221)

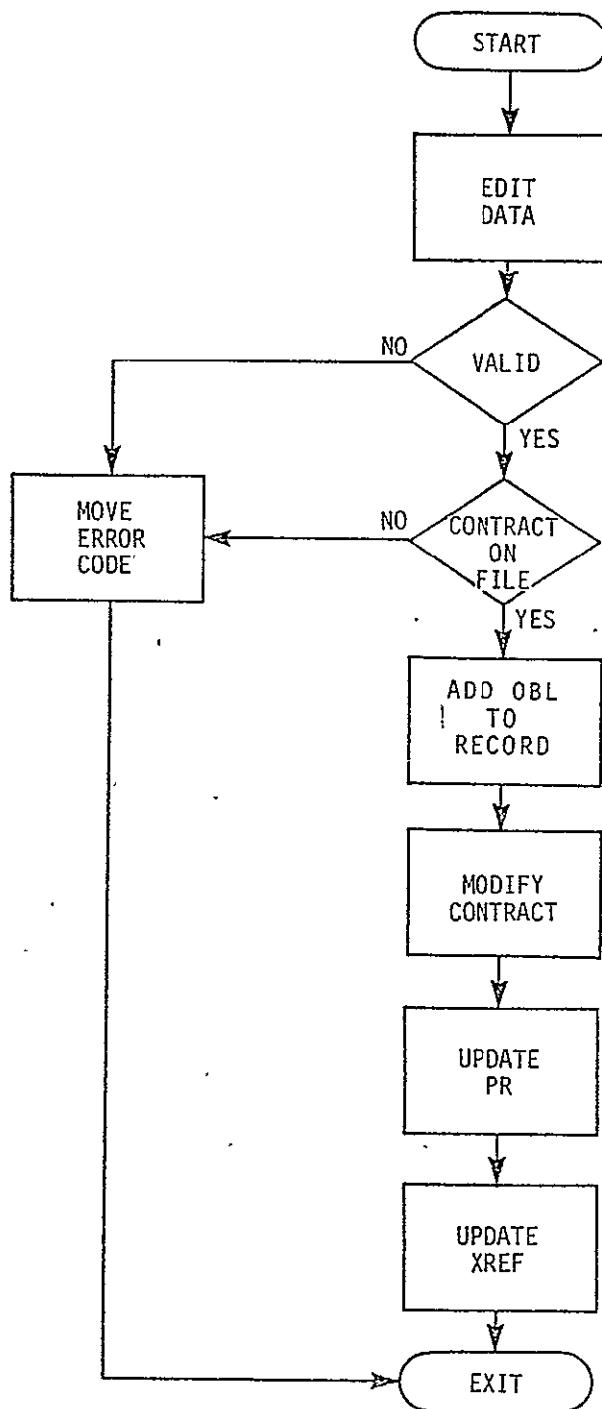
MORE PR'S FOR CONTRACTS

CONTRACT NO ----- MOD ___ OBL AMT ,---,---.---

PR NO	IND	PR OBL	PR NO	IND	PR OBL
-----	-	,---,---,---.---+	-----	-	,---,---,---.---+
-----	-	,---,---,---.---+	-----	-	,---,---,---.---+
-----	-	,---,---,---.---+	-----	-	,---,---,---.---+
-----	-	,---,---,---.---+	-----	-	,---,---,---.---+
-----	-	,---,---,---.---+	-----	-	,---,---,---.---+
-----	-	,---,---,---.---+	-----	-	,---,---,---.---+

Figure 4-39.- MOREPR template.

MOREPR



(a.) MOREPR logic flow
Figure 4-39,- Concluded,

CCA Status Event 1

Purpose: To establish CCA event 1 information in the data base.

TEMPLATE ID (CCA1)

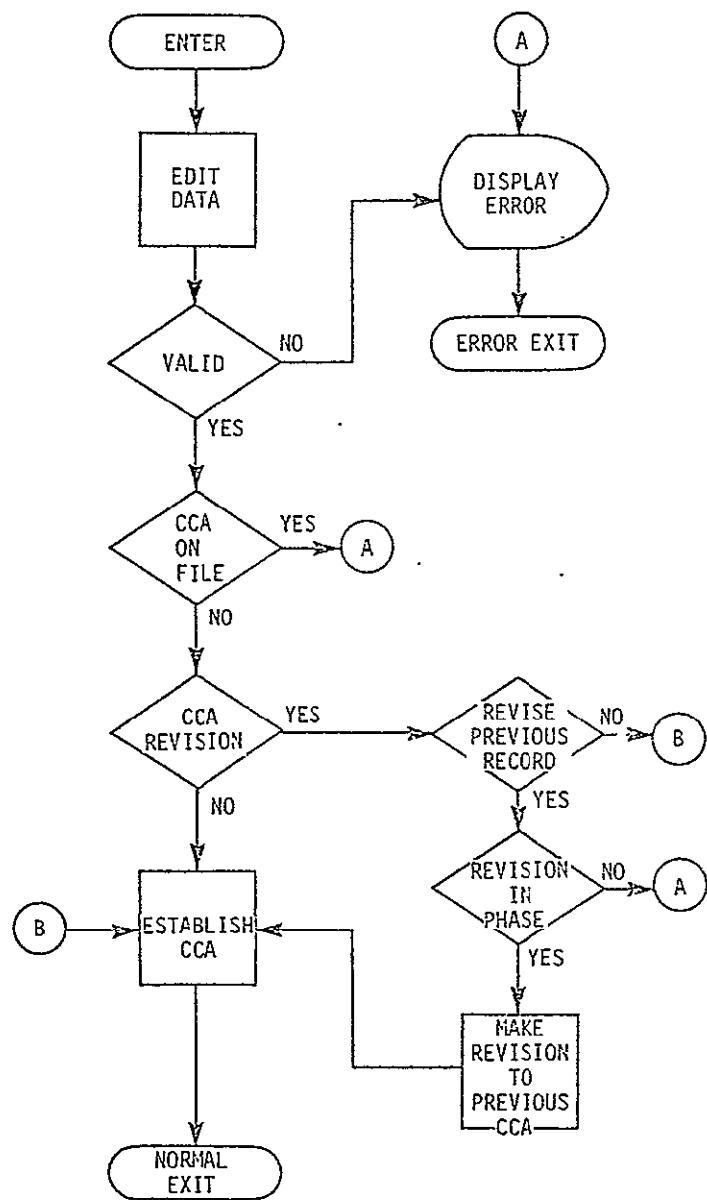
PROGRAM ID (CCA201)

-----	CCA STATUS	CCA1
CONTRACT CHANGE ISSUE		
CONTR NO -----	SCH - CCA: TYPE -- NO ---	REV NO --
DATE ISSUED ---	EST AMT ---, ---, ---+ CCBD NO -----	
ECP NO -----	SCH PROPOSAL RECEIPT DATE -- -- --	REV IND - PKG NO ---
TECH EVAL -----	TE MAIL CODE ----	TE EXT ---- PROC ORG -----
DESCRIPTION -----		

<u>ELEMENT</u>	<u>EDIT</u>
Contr no	Non blank
SCH	Blank or alpha
CCA: type	Table (CCA Type)
CCA: no	Numeric
CCA: rev no	Numeric or blank
Date issued	Valid date
Est amt	Numeric or 'TBD'
CCBD no	Non blank
ECP no	Non blank
SCH propose receipt date	Blank or valid date - if non blank must be > issue date
Rev ind	Blank or if rev no non blank must be Y or N
Pkg no	Non blank
Tech eval	No edit
TE mail code	No edit
TE ext	No edit
Proc org	Table (ORG)
Description	Non blank

Figure 4-40,- CCA Status Eventl template.

CCA1



(a) CCA1 logic flow.
Figure 4-40.- Concluded.

CCA_STATUS_EVENT2

PURPOSE: To establish CCA Event 2 information in the IPMS Data Base.

Template ID (CCA2)

Program ID (CCA202)

----- CCA STATUS CCA 2
PROPOSAL RECEIVED

CONTR NO: SCH CCA: TYPE: NO: REV NO:

DATE RCVD: PROPOSAL AMT: , , . + ECP NO:

ELEMENT

CONTR. NO. - A/N (Non space)

CCA TYPE - Alpha (non space)

CCA NO. _____ - Numeric or space

CCA REV. = Numeric or space

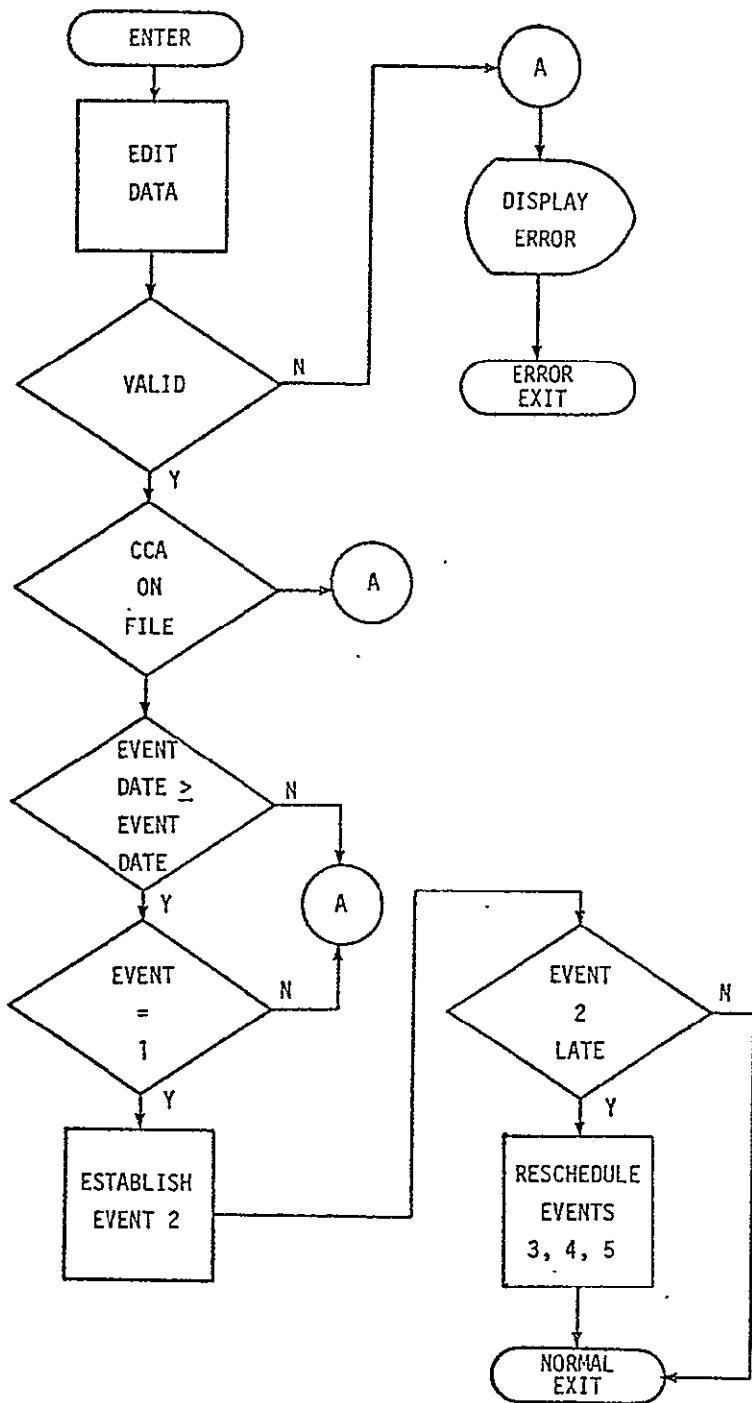
DATE REC'D = Valid date

PROPOSAL AMT. - Numeric (non space)

ECP No. _____ = A/N or space

Figure 4-41.- CCA Status Event2 template.

CCA2



(a) CCA2 logic flow.
FIGURE 4-41.- Concluded.

CCA STATUS EVENT3

PURPOSE: To establish CCA Event3 information in the IPMS Data Base.

Template ID (CCA3)

Program ID (CCA203)

CCA STATUS

CCA 3

TECHNICAL EVALUATION RECEIVED

CONTR NO: _____ SD SCT. CCA: TYPE: ___ NO: ___ REV NO: ___

DATE RECEIVED ____

ELEMENT

CONTRACT NO.

EDIT

A/N (non space)

CCA TYPE

Alpha (non space)

CCA NO.

Numeric or space

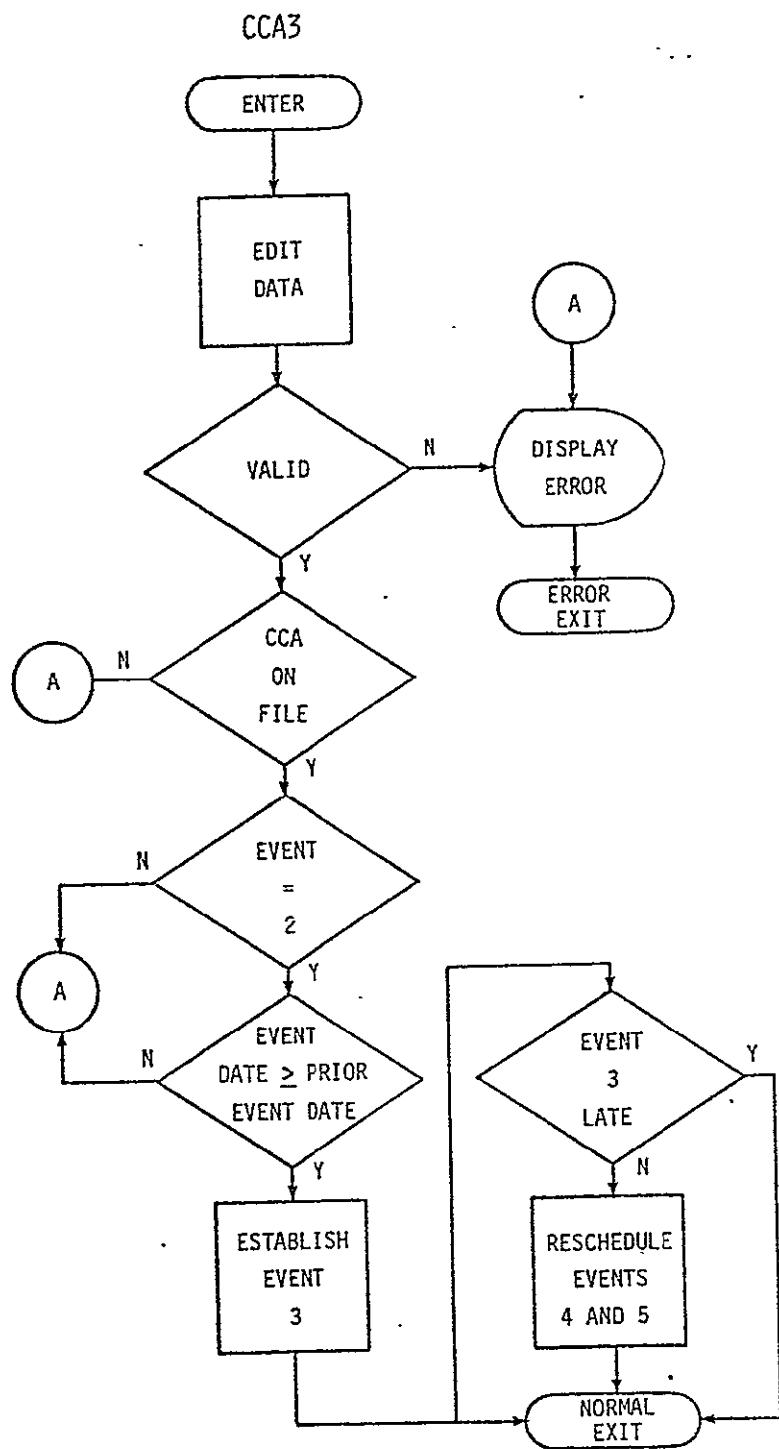
CCA REV.

Numeric or space

DATE RECEIVED

Numeric (non space)

Figure 4-42.- CCA Status Event3 template.



(a) CCA3 logic flow.
Figure 4-42.- Concluded.

CCA STATUS EVENT4

PURPOSE: To establish CCA Event4 information in the IPMS Data Base.

Template ID (CCA4)

Program ID (CCA204)

CCA STATUS

CCA 4

NEGOTIATIONS COMPLETED

CONTR NO: _____ SCH: _ CCA: TYPE: ___ NO. ___ REV NO: __
DATE COMPL: __ __ __ NEG/AMT: __,__,__,__ +

ELEMENT

EDIT

CONTR. NO.

A/N (non space)

CCA TYPE

Alpha (non space)

CCA NO.

Numeric or space

CCA REV.

Numeric or space

DATA COMPL.

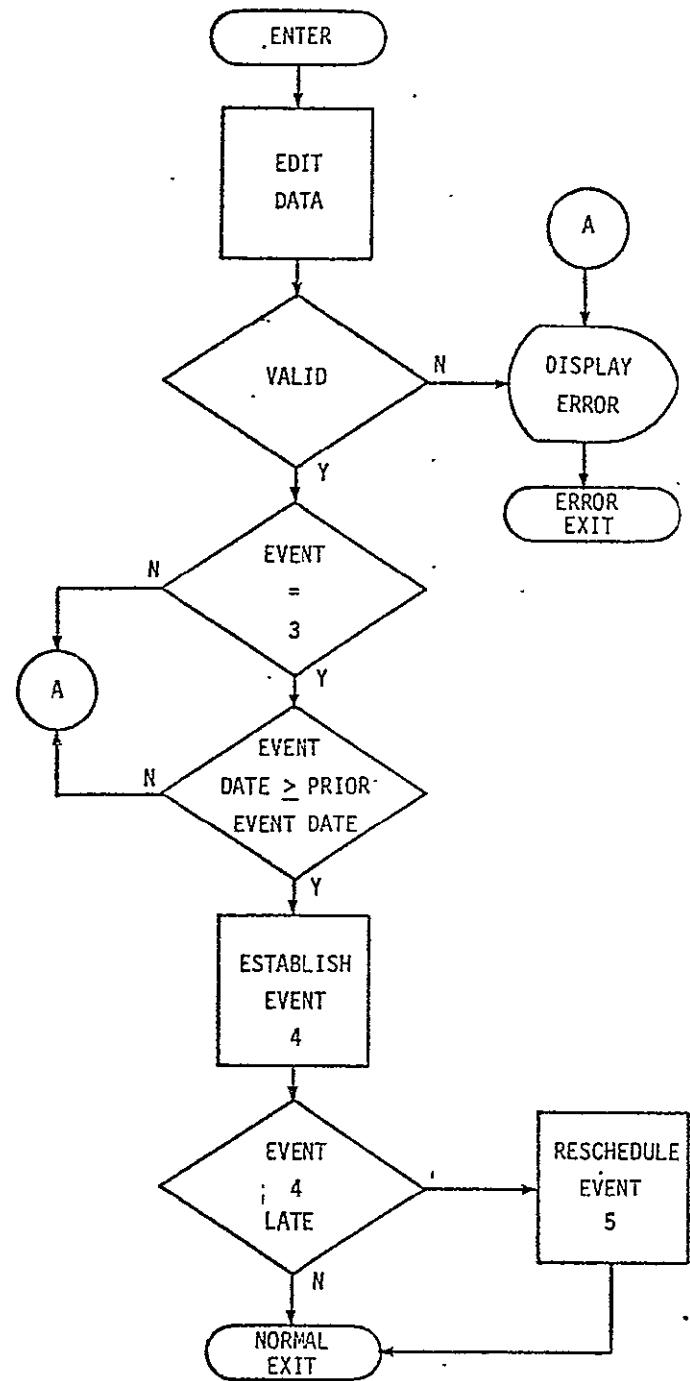
Numeric (non space)

NEG/AMT

Numeric (non space)

Figure 4-43.- CCA Status Event4 template.

CCA4



(a) CCA4 logic flow.
Figure 4-43.- Concluded.

CCA STATUS EVENTS

PURPOSE: To establish CCA Event 5 information in the IPMS Data Base.

Template ID (CCA5)

Program ID (CCA205)

CCA STATUS

CCA 5

S/A DISTRIBUTED

CONTR NO: _____ SCH: _ CCA: TYPE: ___ NO: ___ REV: NO: __

S/A NO: ____ S/A DIST/DATE: __ __ __

ELEMENT

CONTR. NO.

CCA TYPE

CCA NO.

CCA REV.

S/A NO.

S/A DIST/DATE

EDIT

A/N (non space)

Alpha (non space)

Numeric or space

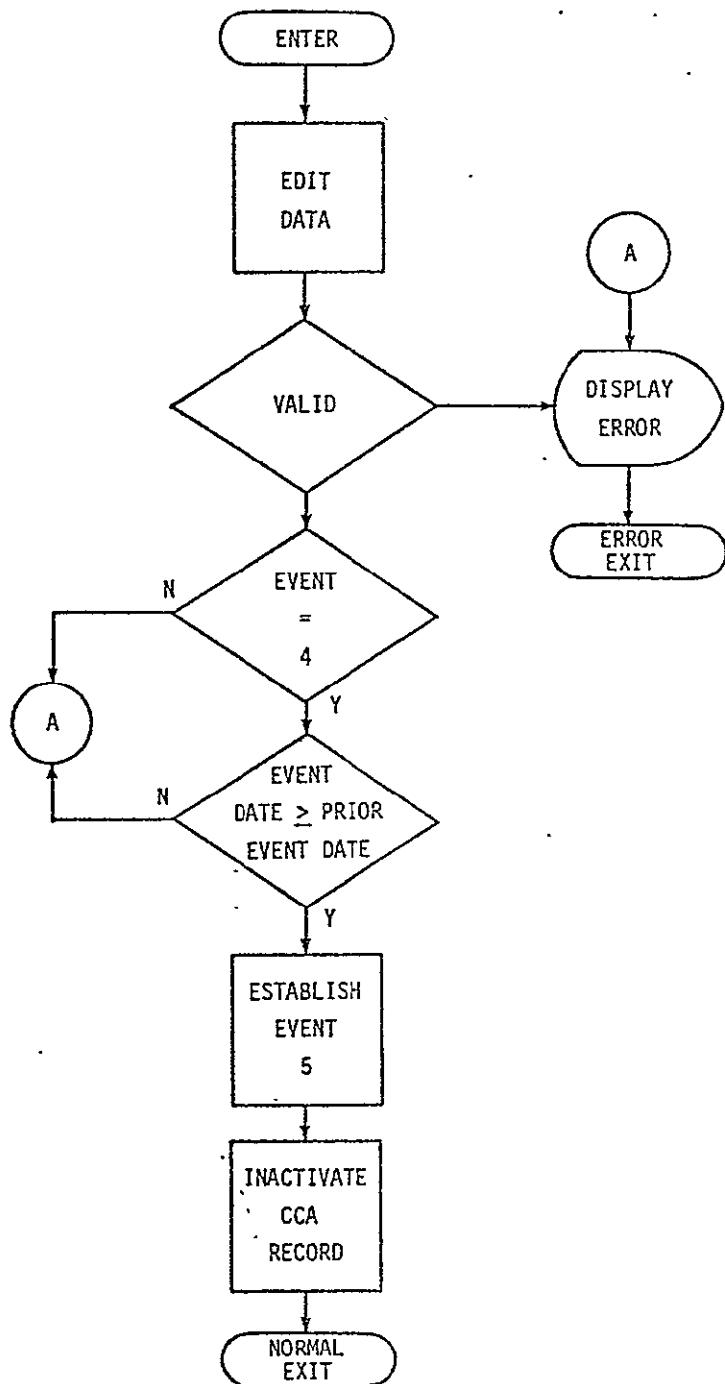
Numeric or space

Numeric (non space)

Numeric (non space)

Figure 4-44. - CCA Status Event5 template.

CCA5



(a) CCA5 logic flow.
Figure 4-44.- Concluded.

PROGRAM CONTRACT STATUS ADDITIONAL CONTRACT DATA

PURPOSE: To update the Program contract status in the IPMS Data Base.

Template: ID (CCAIDL)

Program ID (CCA206)

PROGRAM CONTRACT STATUS
ADDITIONAL DATA

CCAIDL

CONTR NO: _____ SCH: _ FUNCTION _____

IDENTIFIED NOT AUTHORIZED ITEMIZATION:

- (1) _____ EST/AMT: ___,___,___ +
(2) _____ EST/AMT: ___,___,___ +
(3) _____ EST/AMT: ___,___,___ +
(4) _____ EST/AMT: ___,___,___ +
(5) _____ EST/AMT: ___,___,___ +
(6) _____ EST/AMT: ___,___,___ +

COST INCURRED + FEE EARNED: ___,___,___ + DATE: ____-__-

OVERRUN PROJ NOT PROPOSED: ___,___,___ +

COST EST AT COMPL: ___,___,___ + DATE: ____-__-

UNDERRUN PROJ NOT PROPOSED: ___,___,___ - NON PRINT

ELEMENT

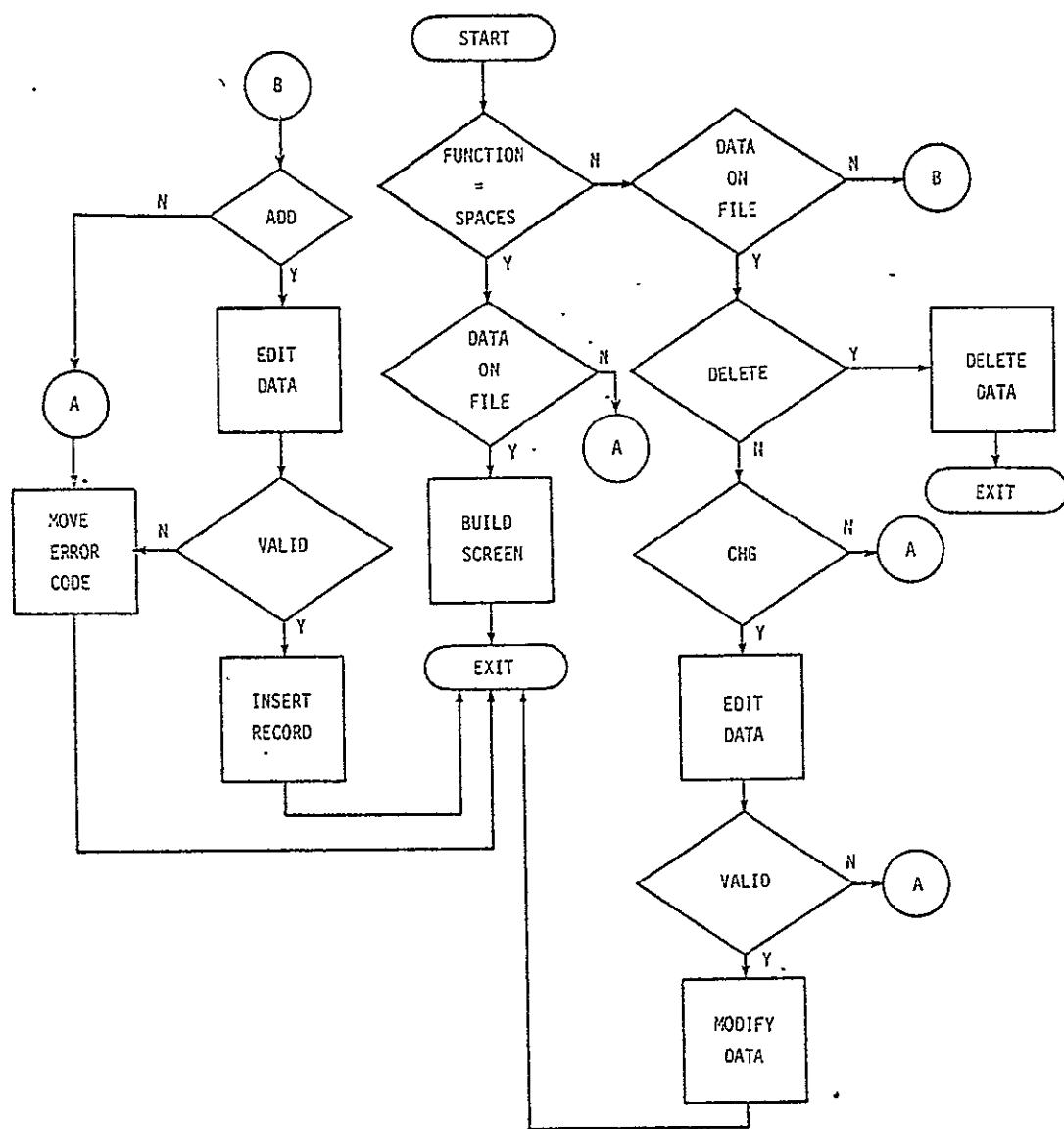
EDIT

CONTR. NO.

SCH

PROJ. DESC. 1,2,3,4,5,6	A/N or space
PROJ. AMT. 1,2,3,4,5,6	NUMERIC or blank
COST INCURRED & FEE	NUMERIC
COST INCURRED DATE	NUMERIC
OVERRUN PROJ. NOT PROPOSED	NUMERIC
COST ESTIMATE AT COMPLETION	NUMERIC
COST ESTIMATE DATE	NUMERIC
UNDERRUN PROJ. NOT PROPOSED	NUMERIC or blank

Figure 4-45.- Program Contract Status Additional Contract Data.



(a) CCAADL logic flow.
Figure 4-45.- Concluded.

CCA DISPLAY

PURPOSE: To add, change, and delete CCA records in the IPMS CCA Data Base.

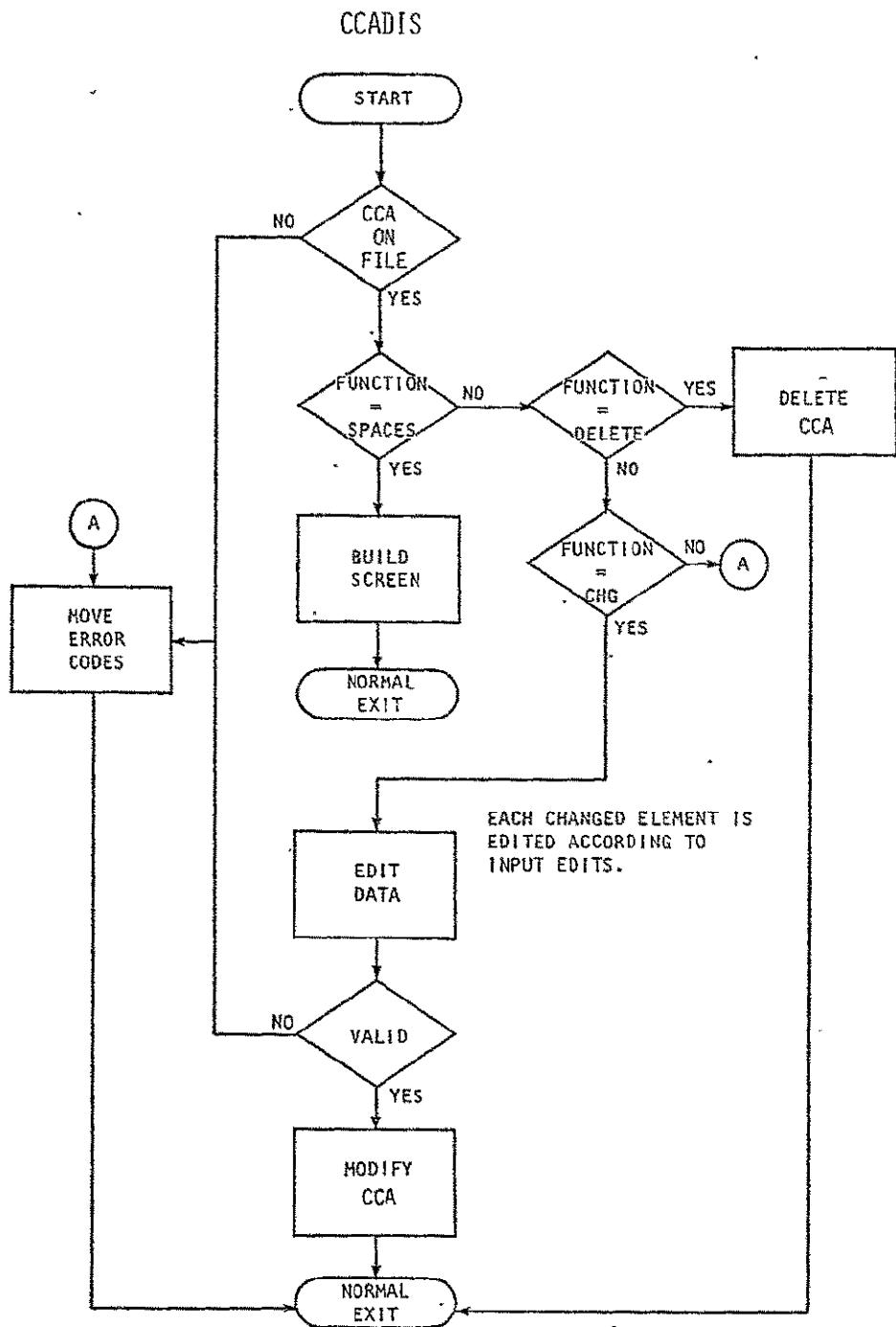
Template ID (CCADIS) Program ID (CCA207)

Program ID (CCA207)

CCADIS

CCA STATUS			
CONTRACT NO.	SCH	CCA NO	FUNCTION
ORG/BUYER		TECH/EVAL	
LST CHGD		TE MAIL CODE	TE EXT
PACK NO		S/A NO	
CCBD NO		MILESTONE	REV FLAG
ECP NO		INACTIVE DATE	STATUS IND
DESCRIPTION			
EV1: 1ST ENT DATE	ISSUE DATE	SCH PROP DATE	EST AMT
EV2: SCH	REV	ACT	PROP AMT
EV3: SCH	REV	ACT	
EV4: SCH	REV	ACT	NEGO AMT
EV5: SCH	REV	ACT	

Figure 4-46. - CCA Display template.



(a) CCADIS logic flow.
Figure 4-46.- Concluded.

BUSINESS CODE TABLE

PURPOSE: To change, add, and delete records of the Business Code Tabl
the Tables File.

Template ID (TBUSCD)

Program ID (TAB213)

BUSINESS CODE. TABLE

TBUSCD

CONTRACTOR BUSINESS CODE _____ FUNCTION _____

CONTRACTOR BUSINESS DESCRIPTION _____

ELEMENT

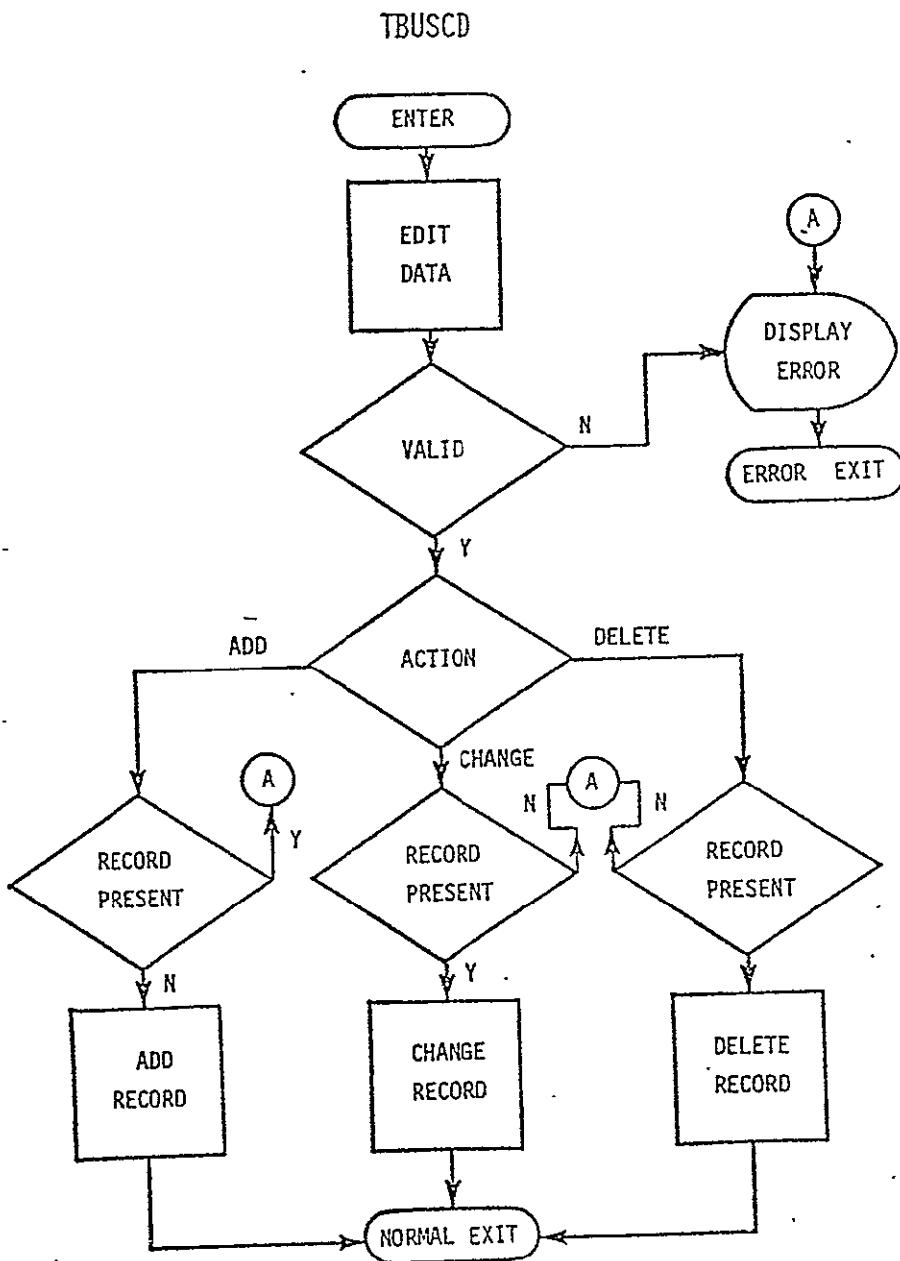
EDIT

CONTRACTOR PLACEMENT CODE Alphabetic, not space

FUNCTION

CONTRACTOR PLACEMENT DESCRIPTION A/N

Figure 4-47.- Business Code Table template.



(a) TBUSCD logic flow.
Figure 4-47.- Concluded.

ORGANIZATION TABLE

PURPOSE: To change, add, and delete records of the Organization Table in the Table File.

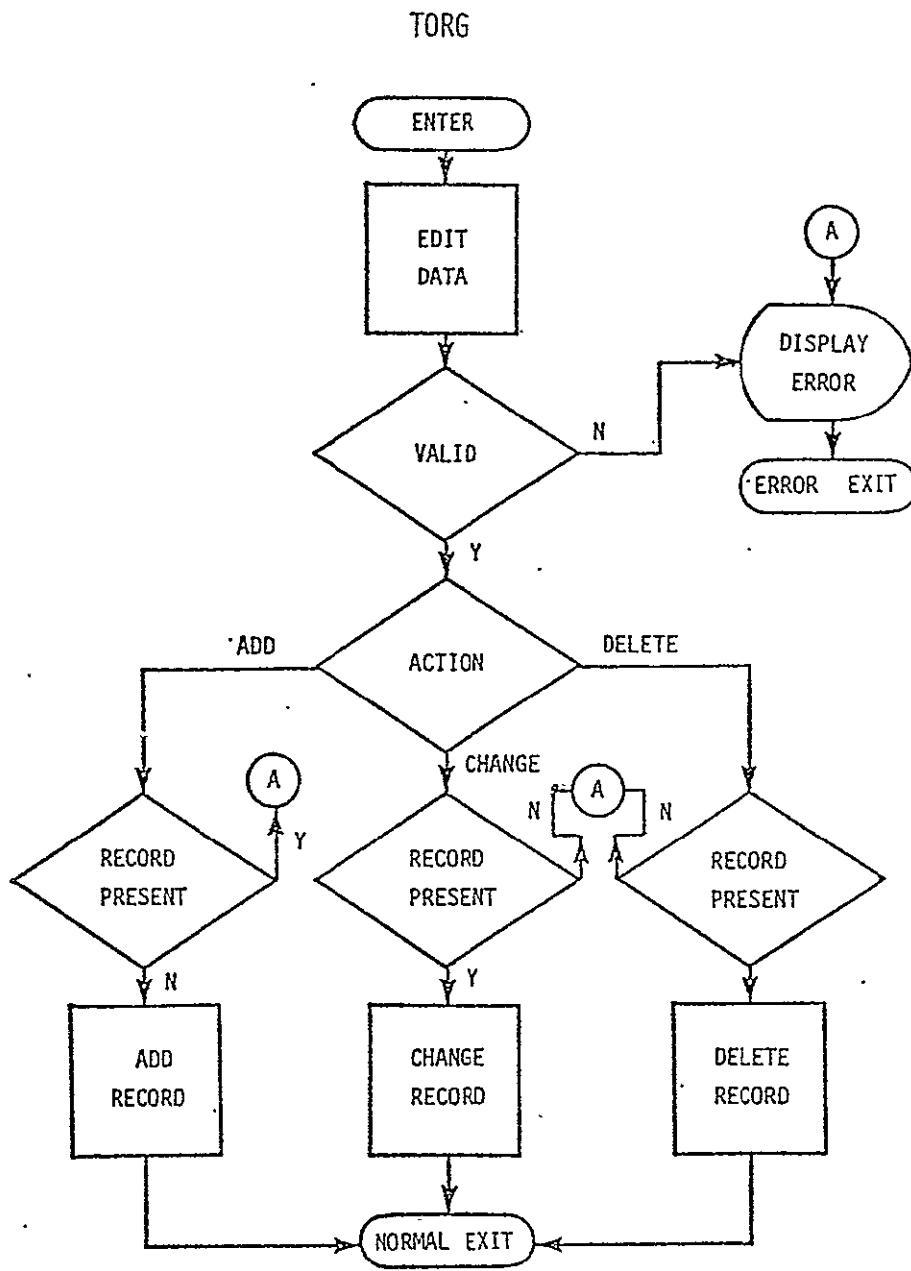
Template ID (TORG)

Program ID (TAB2Q5)

-----	ORGANIZATION TABLE	TORG
ORGANIZATION CODE	BUYER CODE	FUNCTION
ORGANIZATION NAME	-----	
BUYER NAME	BUYER EXTENSION	-----

<u>ELEMENT</u>	<u>EDIT</u>
ORG CODE	DIV (alphabetic; not space); BR (space or numeric); SEC (space or numeric)
BUYER CODE	Space or numeric
FUNCTION	
ORG NAME	Div., Branch, or Section name
BUYER NAME	Space if buyer code is space; non-space if buyer code numeric
BUYER EXTENSION	Numeric or space

Figure 4-48.- Organization Table template.



(a) TORG logic flow.
Figure 4-48.- Concluded.

TYPE CONTRACT TABLE

PURPOSE: To change, add, and delete records of the Type Contract Table of the Tables File.

Template ID (TYPE)

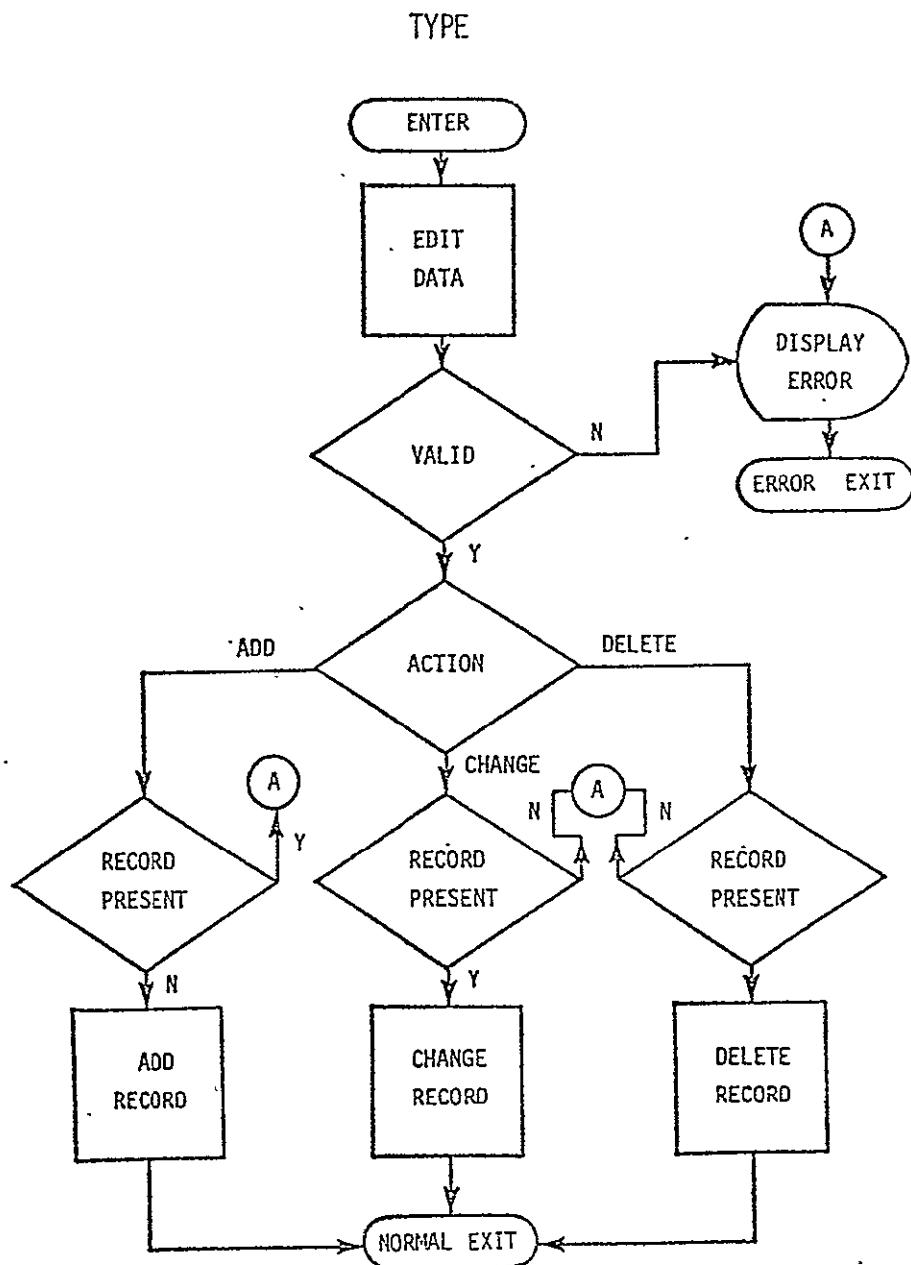
Program ID (TAB208)

TYPE OF CONTRACT TABLE

FACS CONTRACT CODE -- FUNCTION -----
TYPE CONTRACT ----- PRICE/FEE REQUIRED -----
TYPE OF CONTRACT DESCRIPTION -----

<u>ELEMENT</u>	<u>EDIT</u>
TYPE CODE	Alphabetic, non-blank
FUNCTION	
FACS CONTRACT CODE	Numeric with leading spaces (replace leading spaces with zeros and test for numeric)
TYPE OF CONTRACT DESCRIPTION	A/N
PRICE/FEE REQUIRED	Non blank

Figure 4-49.- Type Contract Table template.



(a) TYPE logic flow.
Figure 4-49.- Concluded.

CCA TYPE TABLE

PURPOSE: To add, change and delete CCA type in the tables file.

Template ID (TCCA)

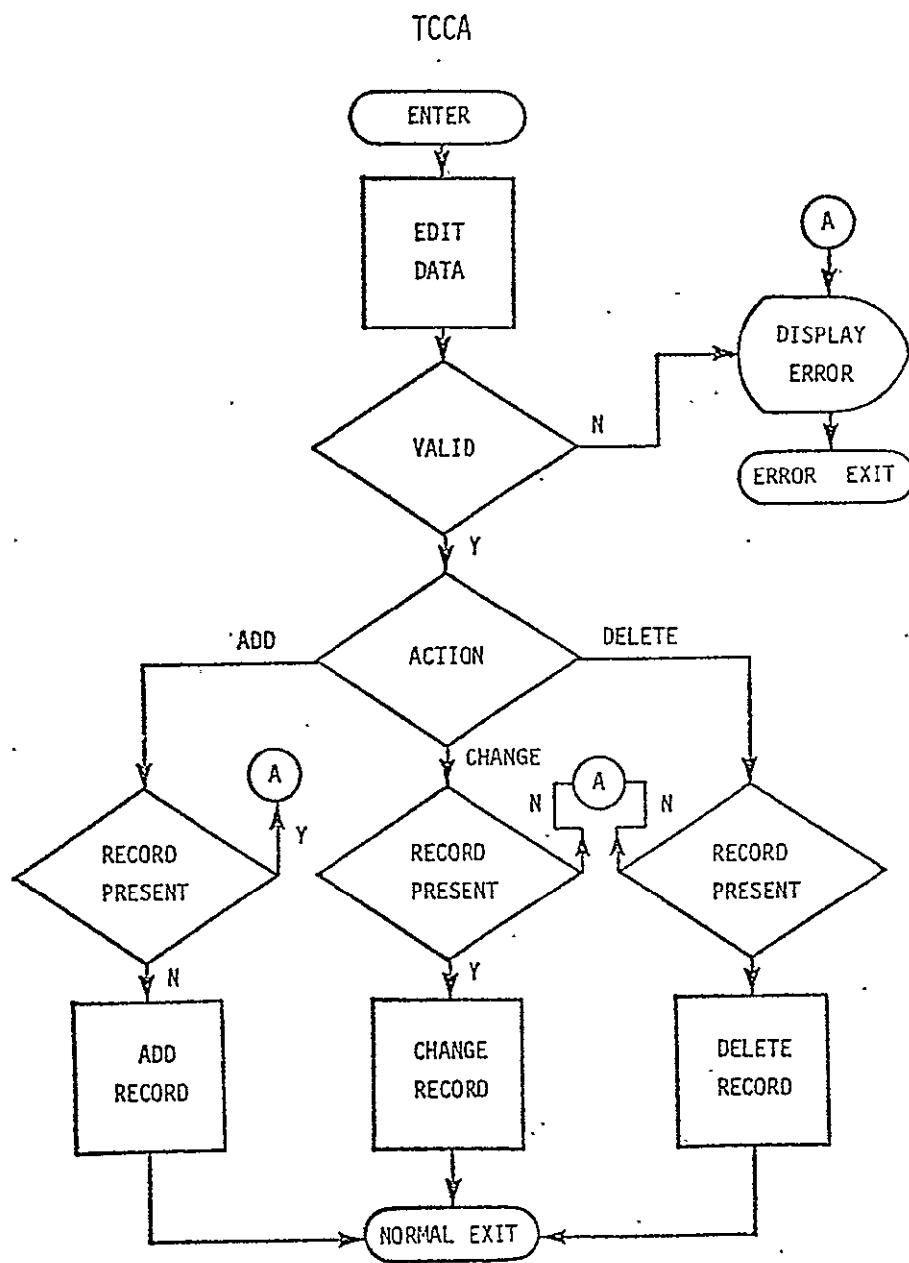
Program ID (TAB211)

CCA TYPE TABLE

CCA TYPE ____ FUNCTION _____

DESCRIPTION _____

Figure 4-50.- CCA Type Table template.



(a) TCCA logic flow.
Figure 4-50.- Concluded.

CONTRACT MOD TYPES TABLE

PURPOSE: To add, change, and delete Contract Mod Types of the Contract Mod Types Table in the Tables File.

TEMPLATE ID (TMODS)

PROGRAM ID (TAB210)

CONTRACT MOD TYPE TABLE

TMODS

MOD TYPE _____

FUNCTION _____

DESCRIPTION _____

KIND ACTION _____

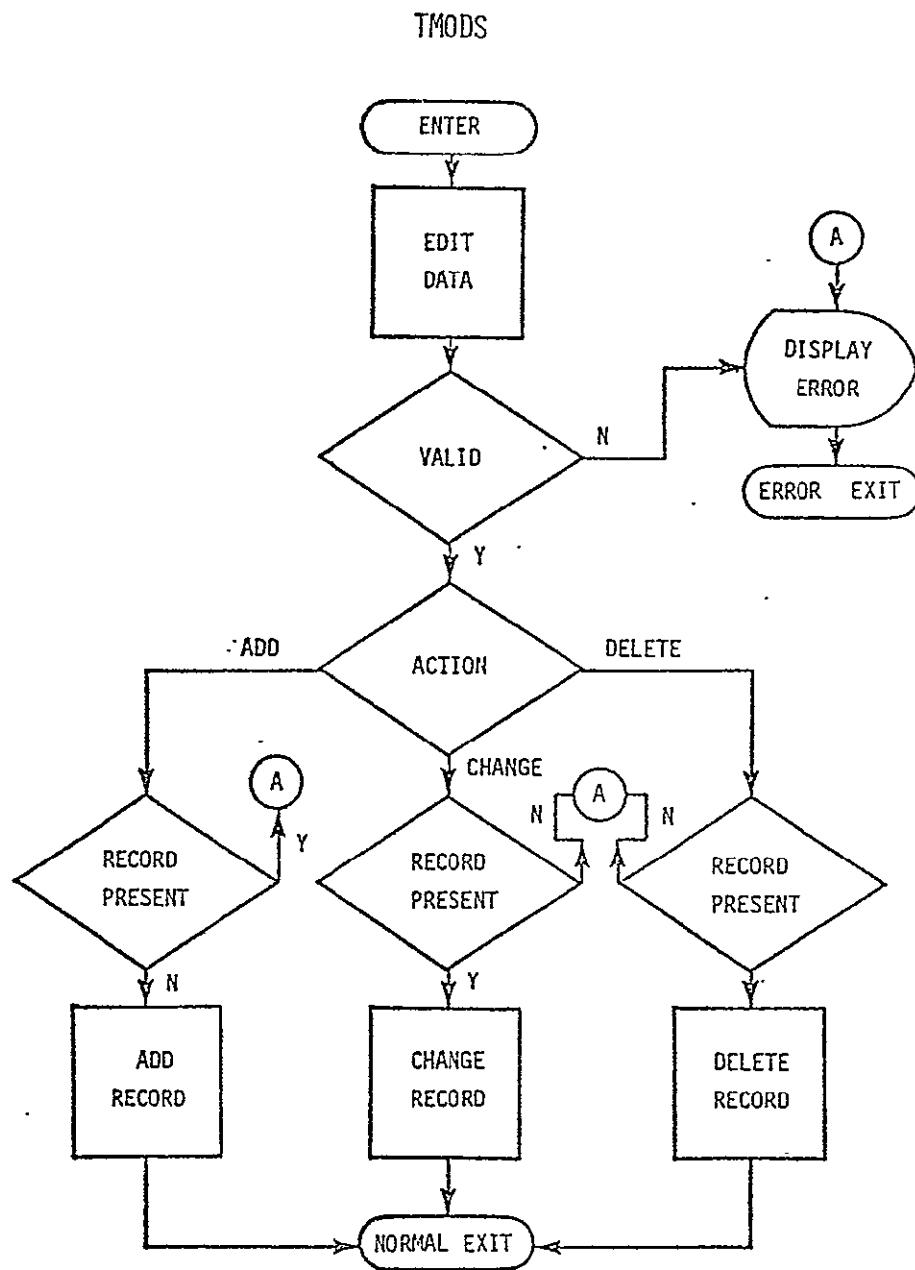
ELEMENT EDIT

MOD TYPE Alphabetic

FUNCTION No Edit

DESCRIPTION Non Blank

Figure 4-51.- Contract Mod Types TABLE template.



(a) TMODS logic flow.
Figure 4-51.- Concluded.

CONTRACTOR NAME CODES TABLE

PURPOSE: To add, change, and delete records of the Contractor Name Codes Table in the Tables File.

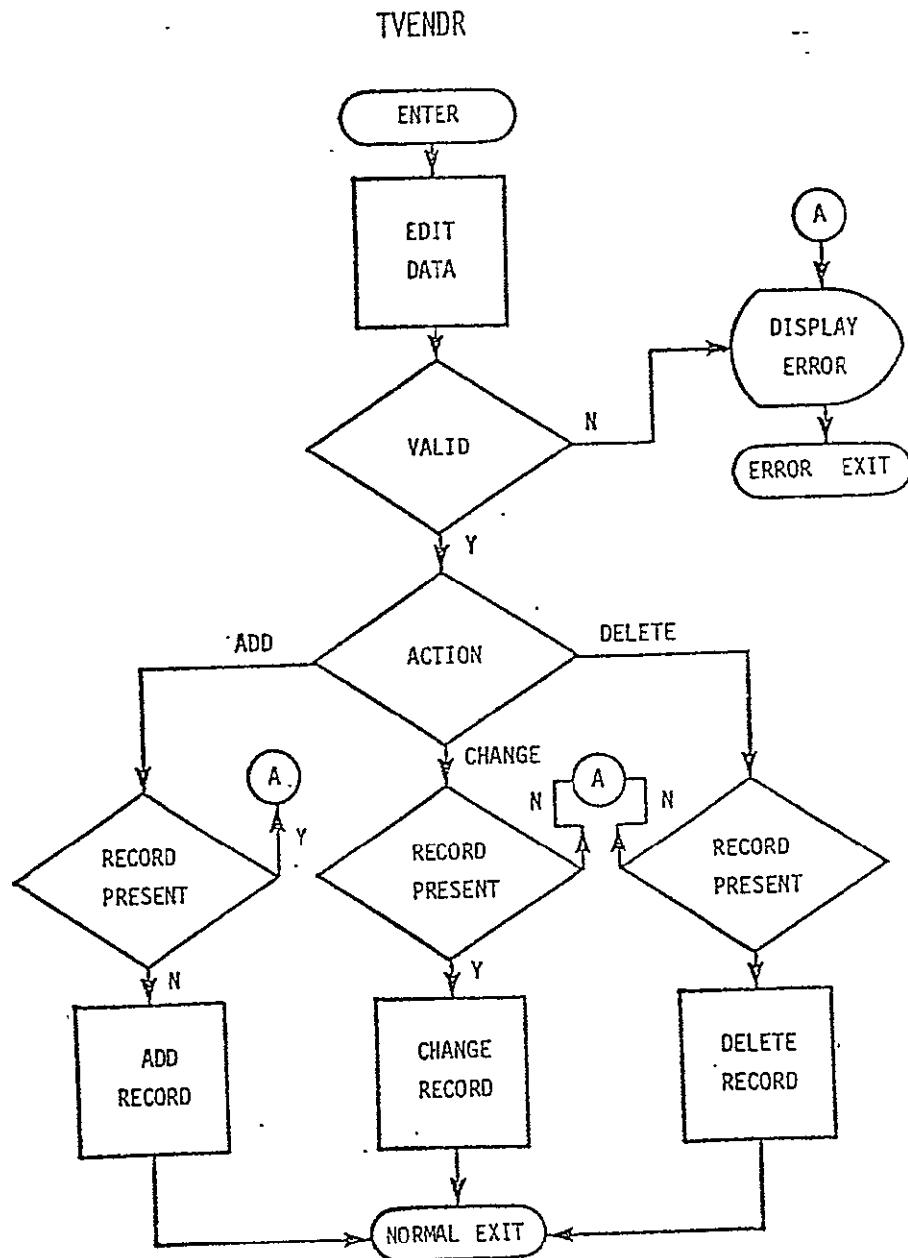
TEMPLATE ID (TVENDR)

PROGRAM ID (TAB203)

	VENDOR TABLE	TVENDR
NAME CODE -----		FUNCTION -----
CONTRACTOR NAME -----	CONTRACTOR DIVISION -----	
CONTRACTOR CITY -----	CONTRACTOR STATE --	
CONTRACTOR BUSINESS CODE -----		

<u>ELEMENT</u>	<u>EDIT</u>
NAME CODE	Numeric, non-blank
FUNCTION	
CONTRACTOR BUSINESS CODE	Alpha
CONTRACTOR NAME	A/N
CONTRACTOR DIVISION	A/N
CONTRACTOR CITY	Alpha
CONTRACTOR STATE	Alpha

Figure 4-52.- Contractor Name Codes Table template.



(a) TVENDR logic flow.
Figure 4-52.- Concluded.

SCHEDULE TABLE

PURPOSE: To change, add, and delete records of the Schedule Table in the Tables File.

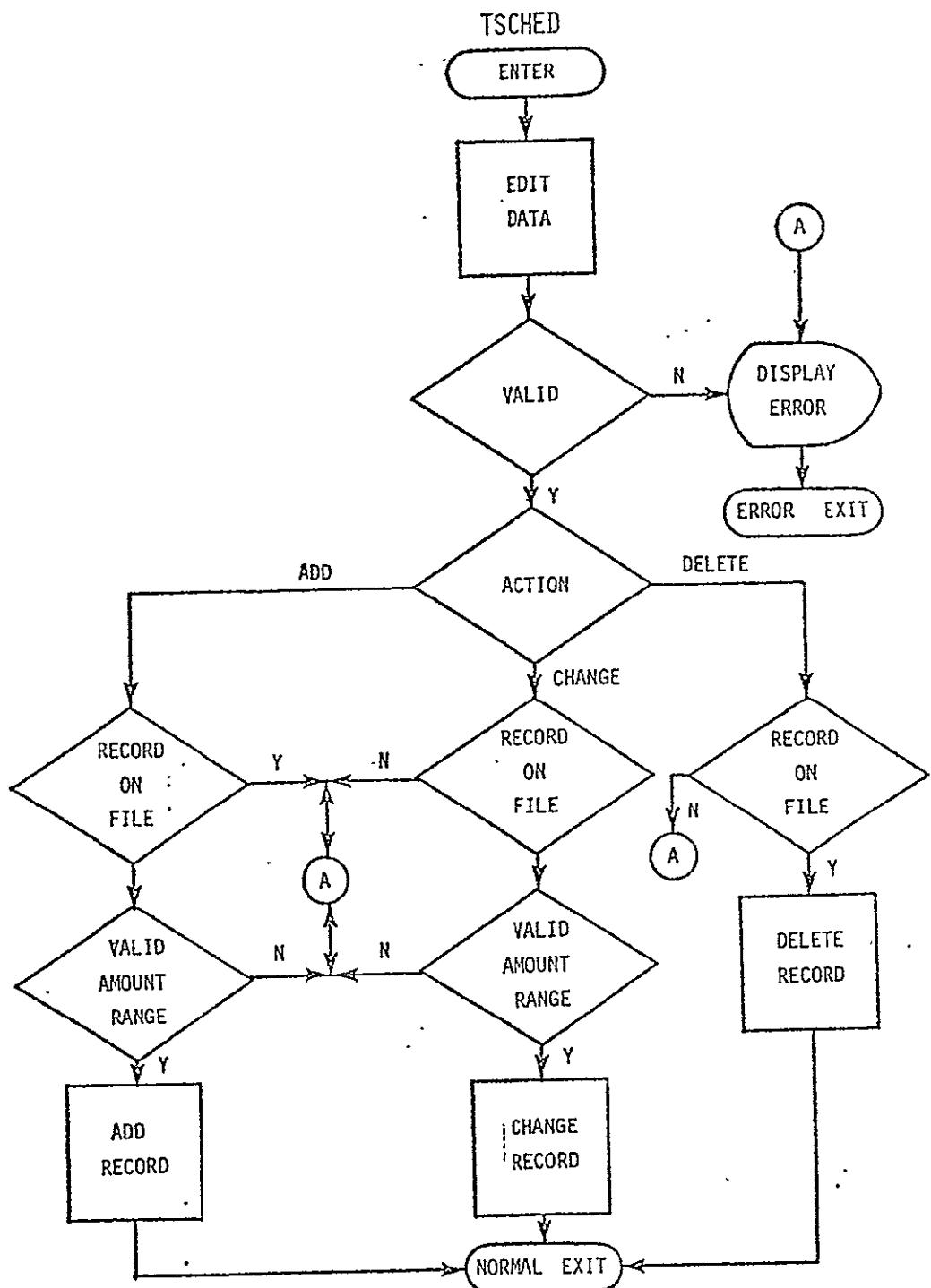
TEMPLATE ID (TSCHED)

PROGRAM ID (TAB207)

SCHEDULE TABLE		TSCHED
PR CLASS CODE	SCHEDULE HIGH AMOUNT	FUNCTION
SCHEDULE LOW AMOUNT	SCHEDULE 1 TO 2	SCHEDULE 2 TO 3
	SCHEDULE 3 TO 4	SCHEDULE 4 TO 5
		SCHEDULE 6 TO 6
SCHEDULE DESCRIPTION		

<u>ELEMENT</u>	<u>EDIT</u>
CLASS CODE	Alphabetic, non-blank
FUNCTION	ADD, CHG, DELETE, or BLANK
SCHED 1 TO 2	Numeric
SCHED 2 TO 3	Numeric
SCHED 3 TO 4	Numeric
SCHED 4 TO 5	Numeric
SCHED 5 TO 6	Numeric
SCHED LOW AMT.	Numeric whole dollars
SCHED HI AMT.	Numeric whole dollars, non-blank
SCHED DESCRI.	A/N

Figure 4-53.- Schedule Table template.



(a) TSCHED logic flow
Figure 4-53.- Concluded.

RANGE AMOUNTS TABLE

PURPOSE: To change, add and delete records of the Scheduled Amounts Table in the Tables File.

TEMPLATE ID (TAMTS)

PROGRAM ID (TAB212)

RANGE AMOUNT TABLE

TAMTS

HIGH -----

FUNCTION -----

LOW -----

ELEMENT

EDIT

SCHEDULE LOW AMOUNT

Numeric (whole dollars)

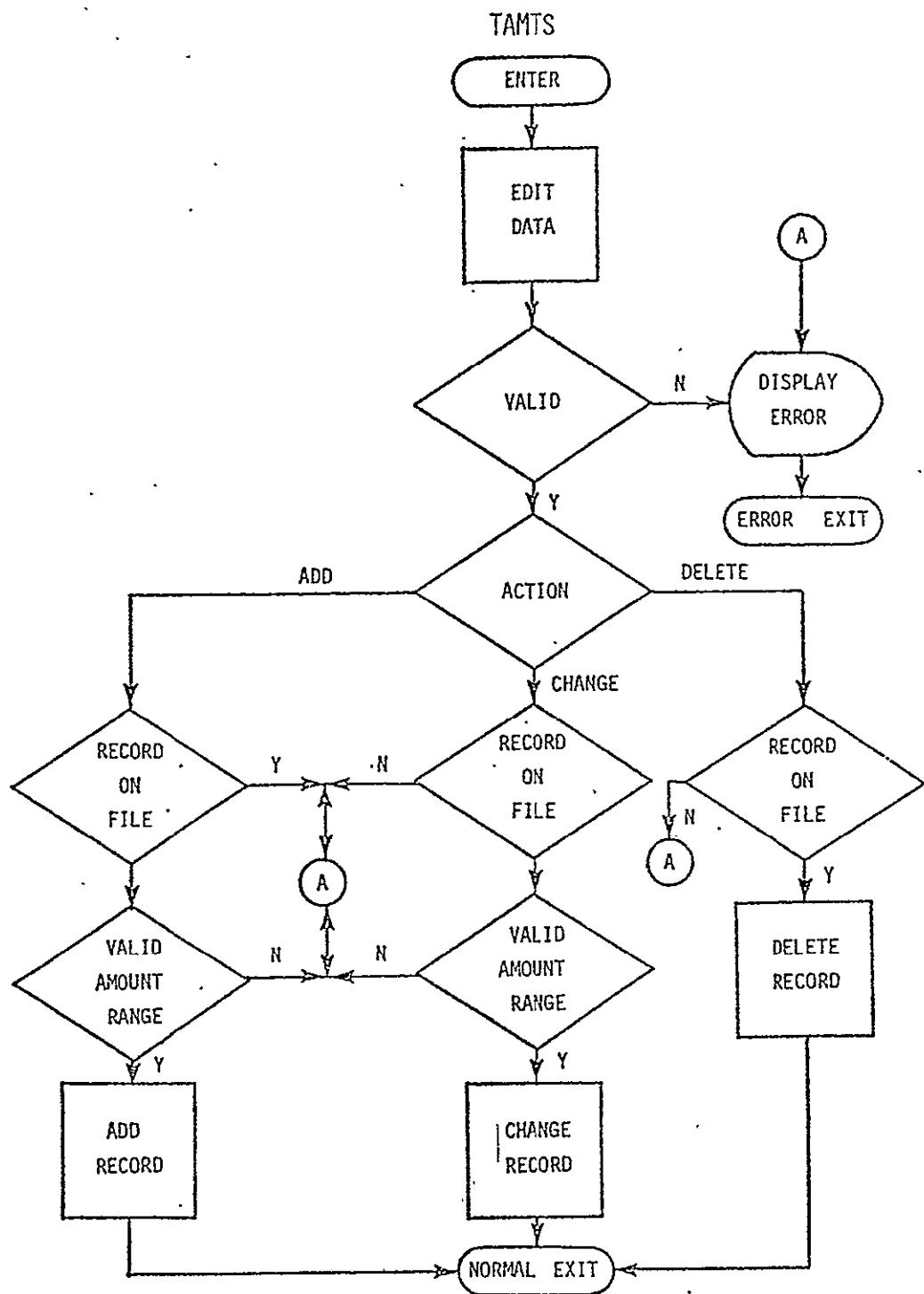
SCHEDULE HIGH AMOUNT

Numeric (whole dollars)

FUNCTION

No edit

Figure 4-54.- Range Amounts Table template.



(a) TAMTS logic flow.
Figure 4-54.- Concluded.

CONTRACT PREFIX TABLE

PURPOSE: To add, change, and delete records of the Contract Prefix Table in the Tables File.

TEMPLATE ID (TPREFIX)

PROGRAM ID (TAB209)

----- CONTRACT PREFIX TABLE -----

TPREFIX

CONTRACT PREFIX -----

FUNCTION -----

CONVERSION PREFIX --

ELEMENT

EDIT

CONTRACT PREFIX

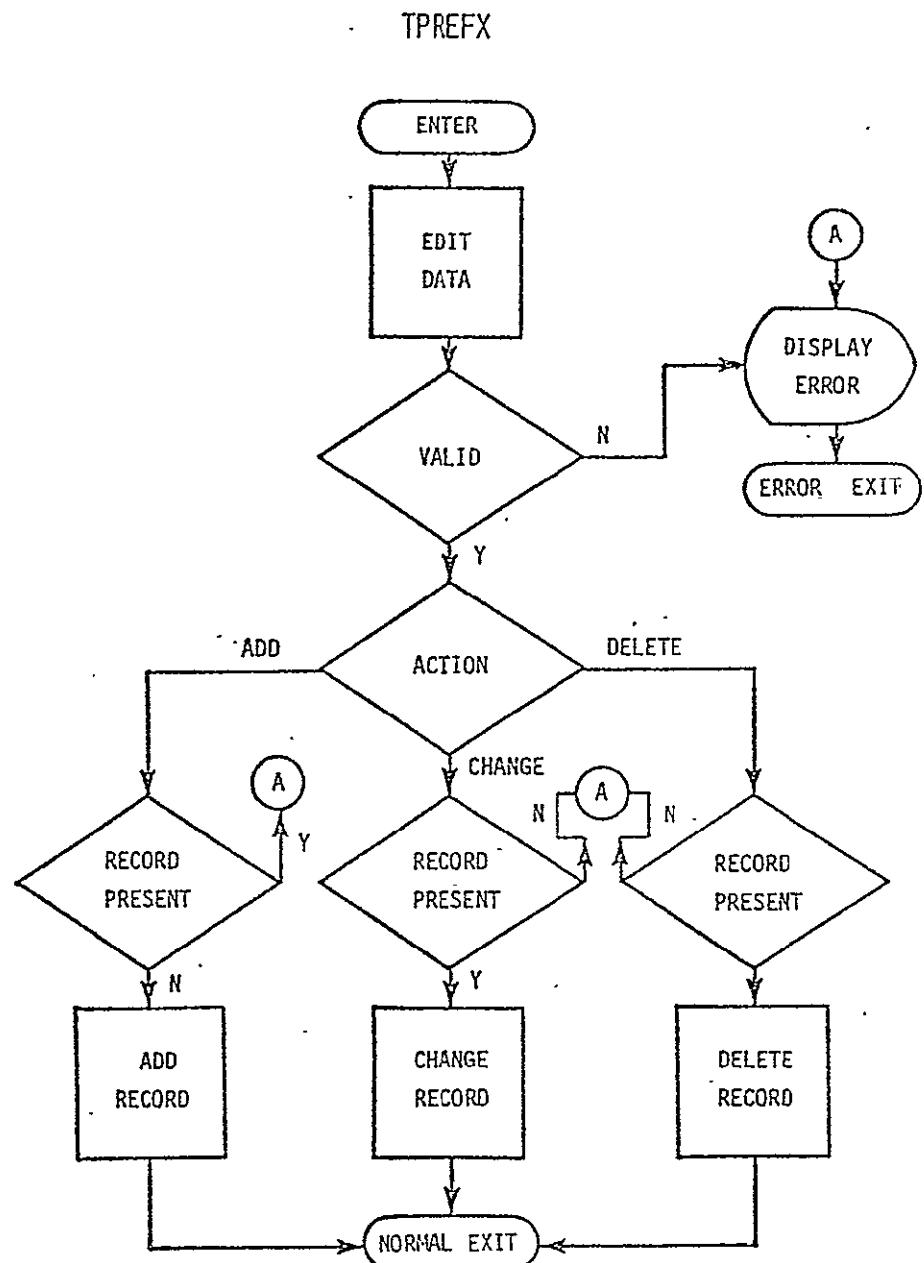
A/N

FUNCTION

A/N, Non-blank

CONVERSION PREFIX

Figure 4-55.- Contract Prefix Table template.



(a) TPREFIX logic flow.
Figure 4-55.- Concluded.

END ITEM TABLE

PURPOSE: To add, change, and delete records of the End Item Table in the Tables File.

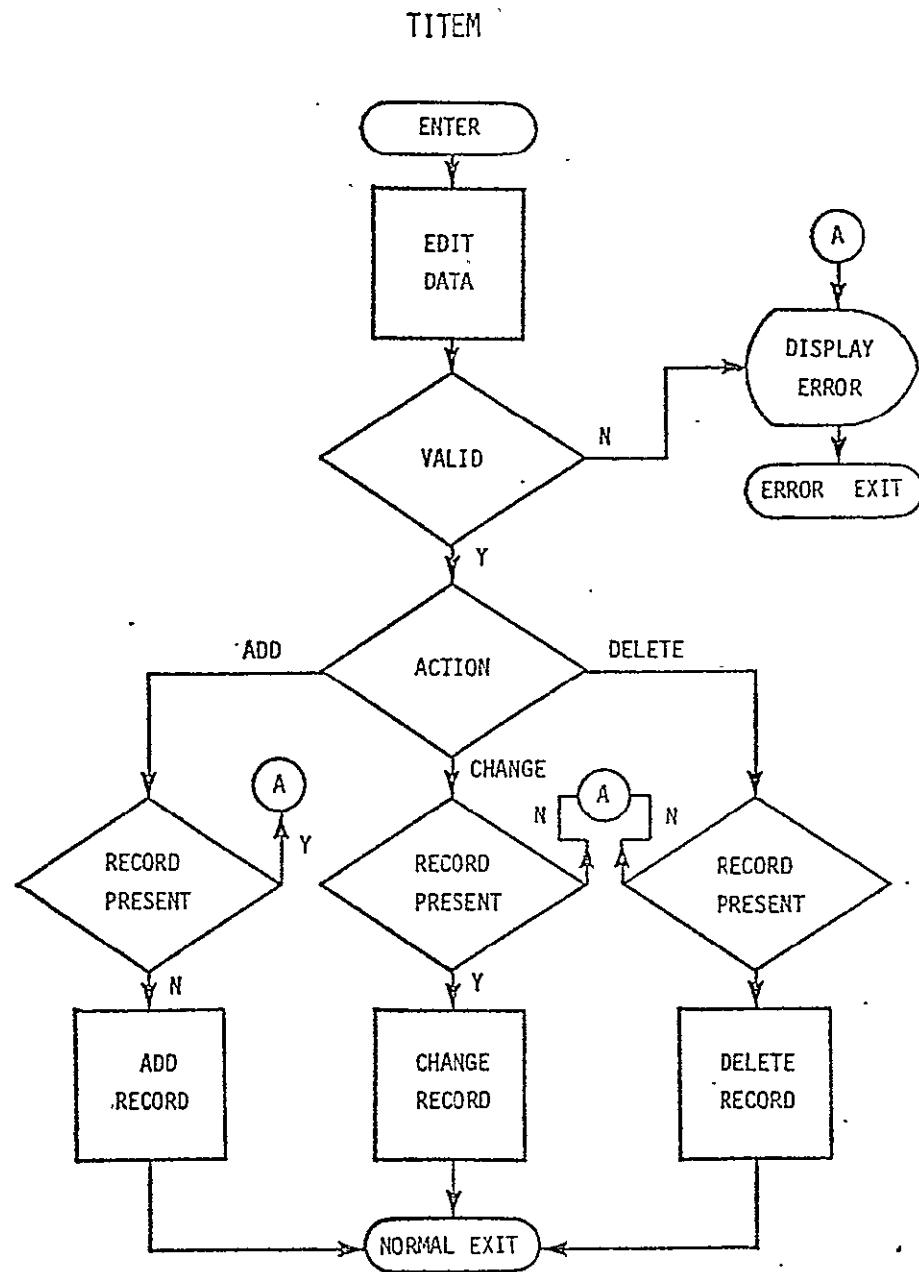
TEMPLATE ID (TITEM)

PROGRAM ID (TAB206)

	END ITEM TABLE	TITEM
END ITEM CODE	FUNCTION	END ITEM SECTION
END ITEM SECTION DESCRIPTION	-----	
END ITEM DESCRIPTION	-----	

<u>ELEMENT</u>	<u>EDIT</u>
END ITEM SECTION	Numeric, non-blank
END ITEM CODE	A/N
FUNCTION	
END ITEM SECTION DESCRIPTION	A/N
END ITEM DESCRIPTION	A/N

Figure 4-56.- End-Item Table template.



(a) TITEM logic flow.
 Figure 4-56.- Concluded.

REPORT TITLES TABLE

PURPOSE: To change, add, and delete records of the Report Titles Table in Tables File.

TEMPLATE ID (TITLES)

PROGRAM ID (TAB204)

REPORT TITLES

TITLES

REPORT NUMBER ____

FUNCTION _____

REPORT TYPE _____

REPORT NAME _____

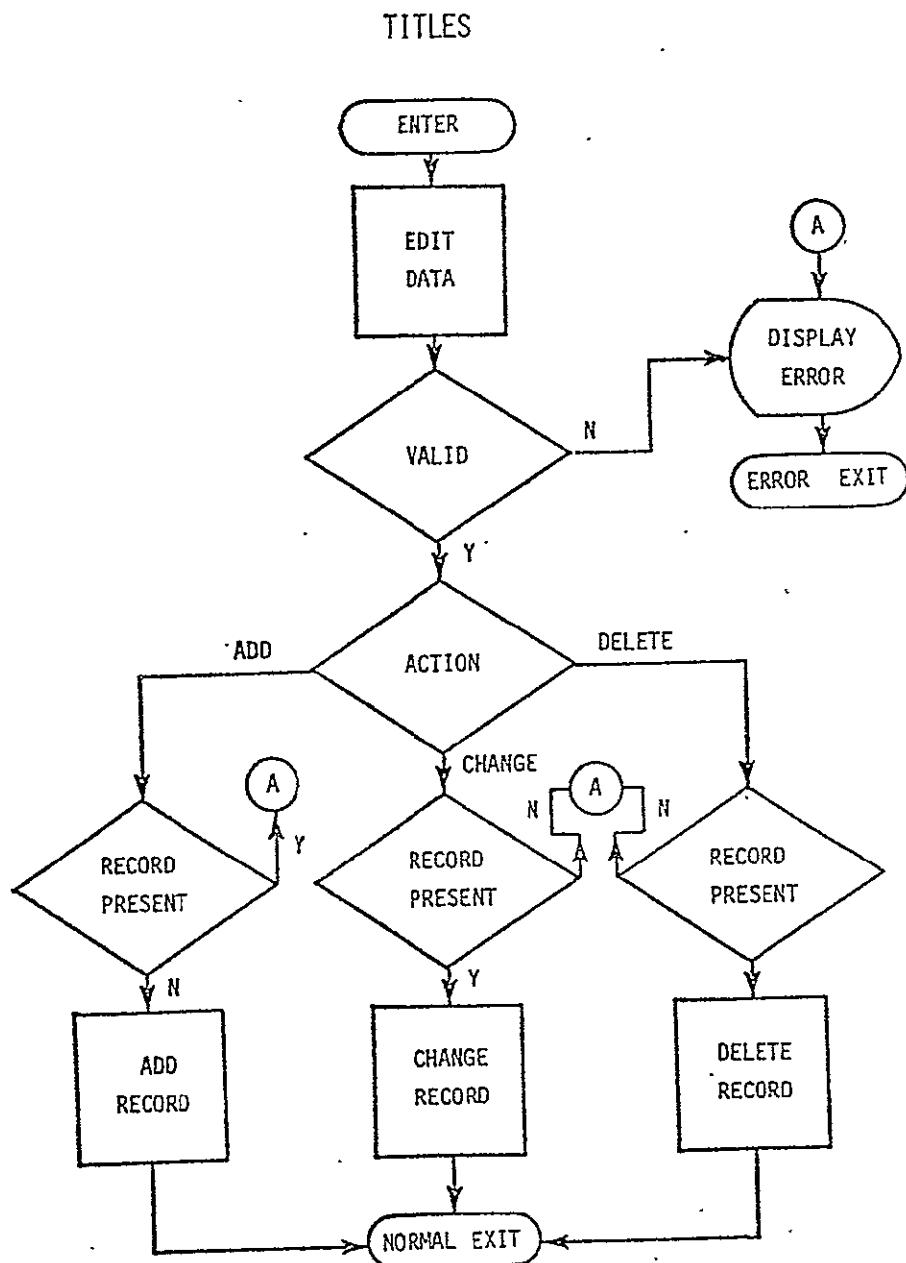
OD	DV	BR	SE	SB	CONT	PKG	PROG	PROJ
-	-	-	-	-	-	-	-	-

ELEMENT

EDIT

REPORT CODE	Numeric, non-blank
ACTION CODE	A, C, D, or I
REPORT TYPE	Alphabetic
REPORT NAME	A/N

Figure 4-57.- Report Titles Table template.



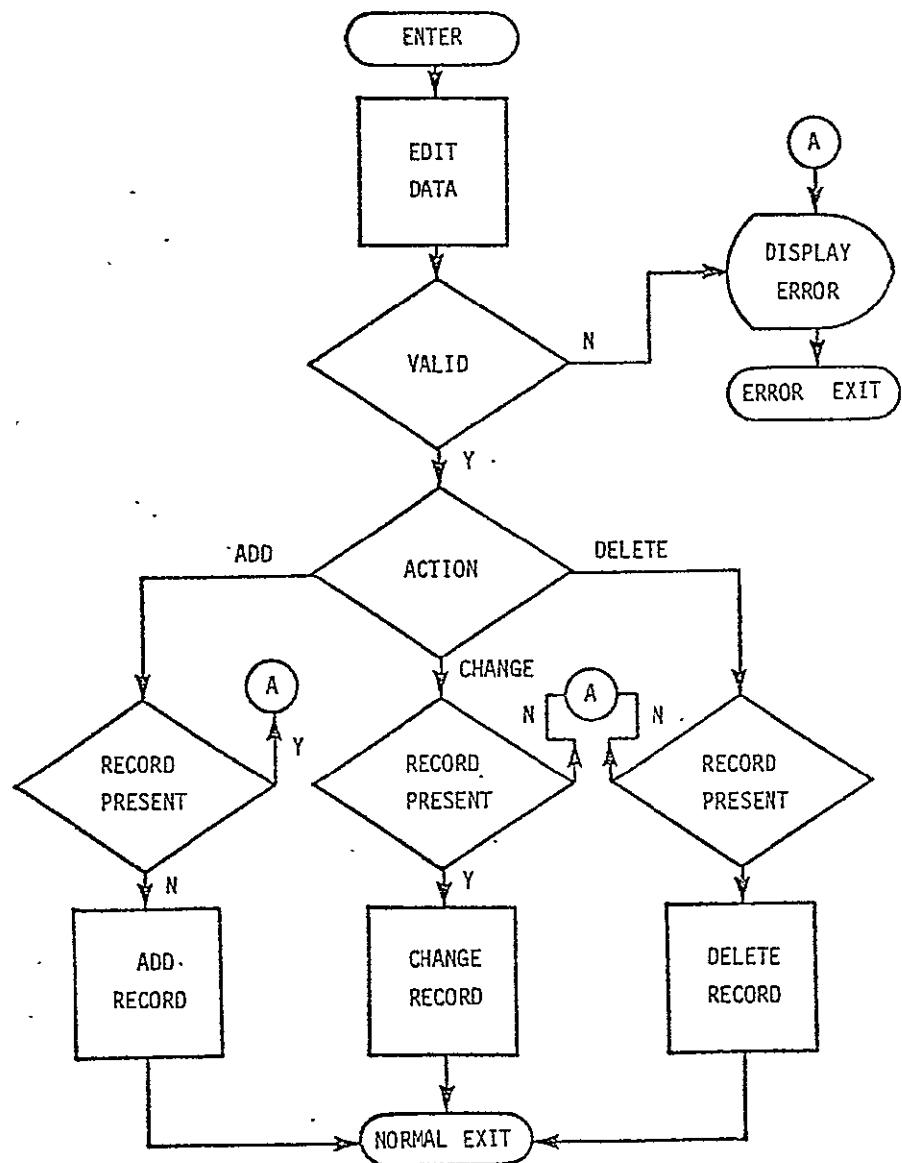
(a) TITLES logic flow.
Figure 4-57.- Concluded.

Procurement Placement Code Table

Purpose: To add, change, delete, or display records of the PPC table in the tables file.

TEMPLATE ID (TPPC)	PROGRAM ID (TAB202)	TPPC
-----	PROCUREMENT PLACEMENT CODE TABLE	TPPC
PPC --	REPORTABLE -	FUNCTION -----
BUSINESS CODE -	TYPE PROCUREMENT -----	NEG AUTH CODE --
NEG 'AUTH DESC -----		
TYPE CONTRACT --		
EXT COMP - - - - -	SYNOPSISZED - - - - -	NEW TECH - - - - -
GEO DIST - - - - -	COST PERF - - - - -	PROP SPC HDW - - - - -
SUP SER CONTR - - - - -	CONTR ADMIN - - - - -	SM BUS - - - - - AGEN ORD -
KIND ACT - - - - -		STAT REQ - - - - - PRIN INV -
TRAD DATA NO - % -	CONSULT CONTR - - -	WOMEN OWN - - - - - BUY AMER % -
TYPE CONTRACTOR --		COST ACCTG - - - - -
A. A. P. - - - - -	PREV A. A. P. - - - - -	LABOR SURPLUS - - - - -
REASON NOT SM BUS - - - - -		
ELEMENT	EDIT	
PPC	Non blank	
Reportable	No edit	
Function	Blank, add, chg, delete	
Business code	Non blank	
Type procurement	--	
Neg auth code	--	
Neg auth desc	--	
All other elements	No edits	

Figure 4- 58.- Procurement Placement Table template.



(a) TPPC logic flow.
Figure 4-58.- Concluded.

Report Distribution Table

Purpose: To change, add, delete, or display records of the RDT in the tables file.

TEMPLATE ID (TRDT)	PROGRAM ID (TAB201)						

REPORT DISTRIBUTION TABLE							
TYPE ----	FREQ -	USER -----	BOOK ---	FUNCTION -----			
		MAIL CODE ----	BLDG ----	ROOM ----			
RPT NO	OD	ORG	BUYER	CONTRACT	PKG NO	PROGRAM	PROJECT
---	--	----	--	-----	-----	-----	-----
---	--	----	--	-----	-----	-----	-----
---	--	----	--	-----	-----	-----	-----
---	--	----	--	-----	-----	-----	-----
---	--	----	--	-----	-----	-----	-----
---	--	----	--	-----	-----	-----	-----
---	--	----	--	-----	-----	-----	-----
---	--	----	--	-----	-----	-----	-----

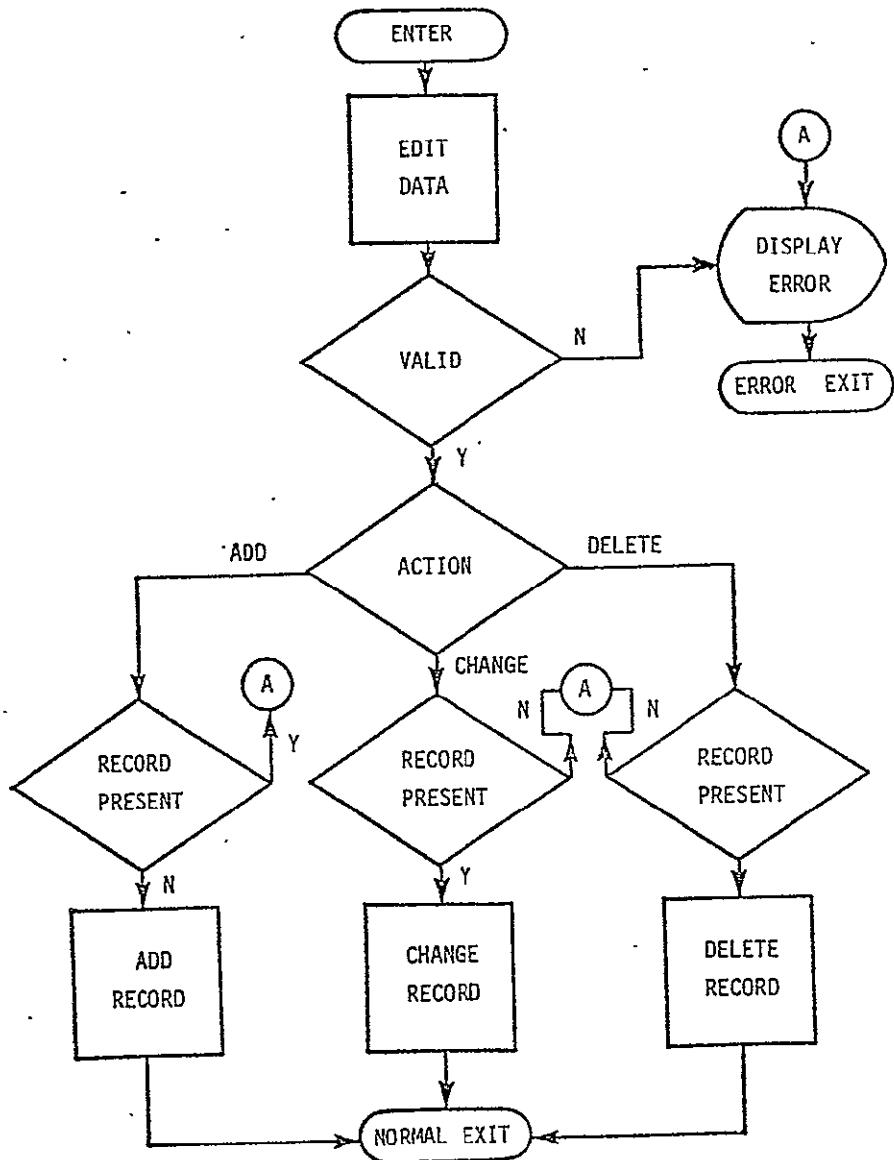
ELEMENT

EDIT

TYPE, FREQ, USER, Book
mail code, bldg, and room
Function
All other elements

Non blank
Blank, add, CHG, delete
Table (Titles)

Figure 4-59.- Report Distribution Table template.



(a) TRDT logic flow.
Figure 4-59.- Concluded.

TEMPLATE ID TABLE

Purpose: To add, change, and delete template ID in the tables file.

TEMPLATE ID (TEMPID)

PROGRAM ID (TAB214)

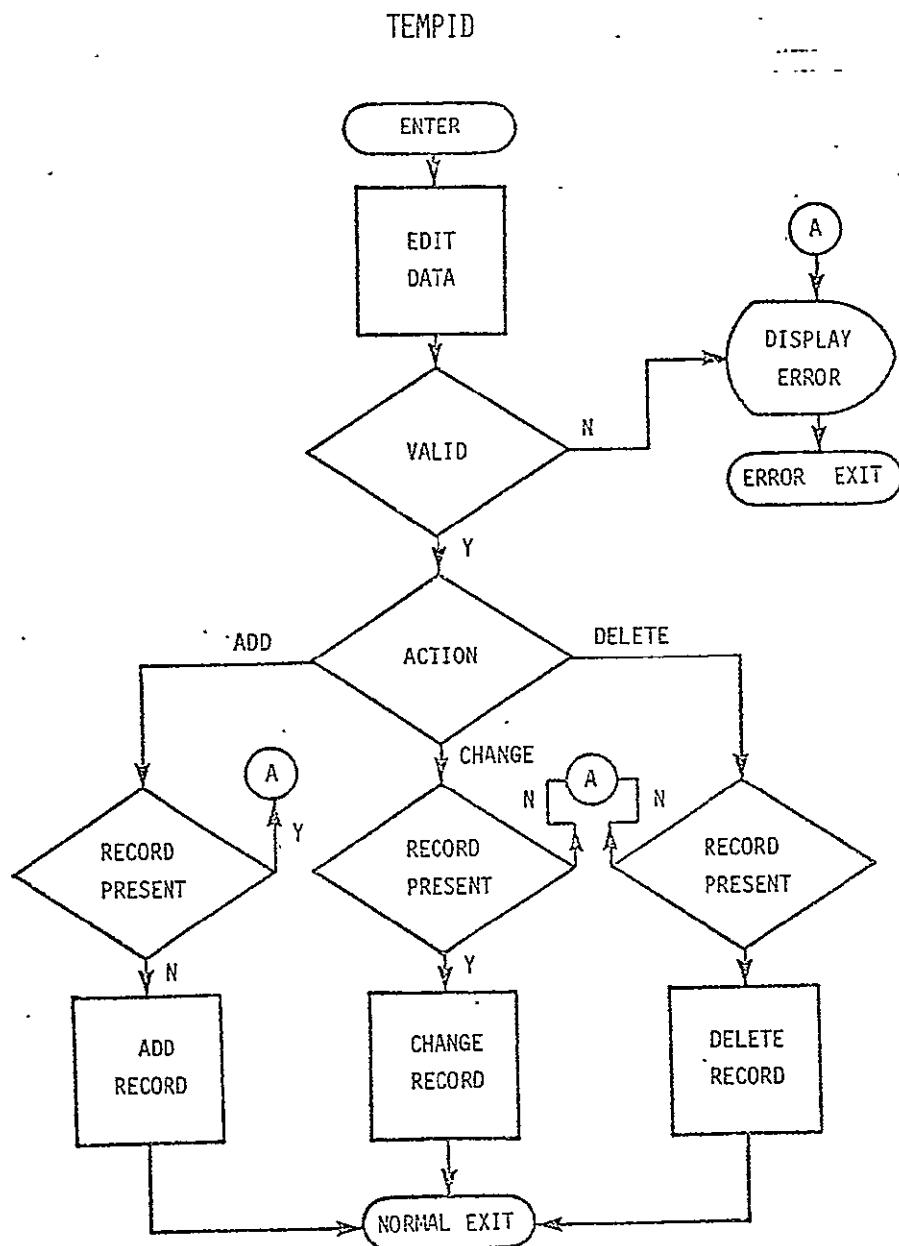
TEMPLATE DESCRIPTION TABLE

TEMPLATE ID _____

FUNCTION _____

DESCRIPTION _____

Figure 4-60.- Template ID template.



(a.) TEMPID logic flow.

Figure 4-60.- Concluded.

Division Request Status

Purpose: To display the status of the requested division request number.

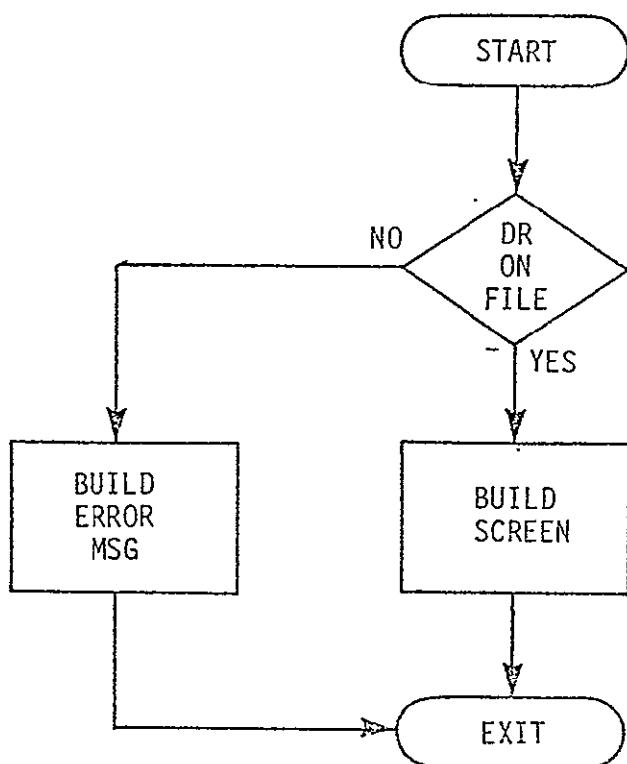
TEMPLATE ID (QDR)

PROGRAM ID (INQ201)

DIVISION REQUEST STATUS						QDR
DR NO	-----	INITIATOR	-----	-----	-----	
PR NO	-----	DESCRIPTION	-----	-----	-----	
TOT AMT	---, ---, ---.---	SOL/UNSOL NO	-----	ORG/BUYER	-----	
COMMIT	---, ---, ---.---	BUYER NAME	-----	EXT	-----	
OBL AMT	---, ---, ---.---	CONTRACT NO	-----	MOD/TYPE	-----	MAX STD
PWC	-----	RO	-- OBJ CLS --	PERF ORG	-- PY --	FS -
1ST ENT	-----	SOLICIT	RESPONSE	TECH EV-	NEGOTIA	CONTRACT
LST CHGD	-----	ISSUED	RECEIVED	ALUATION	COMPLETE	DISTRIB.
PR DATE	-----	(2)	(3)	(4)	(5)	(6)
REQD DATE	-----	SCHED	-----	-----	-----	-----
PROC DATE	-----	REVSD	-----	-----	-----	-----
TO BUYER	-----	ACTUAL	-----	-----	-----	-----
PRIC REQ	-----	INACT	-----	QTR -	LINE CNT	-----
PRIC RCV	-----	CANCEL	MIL -	CLASS --	PLAN PR -	PPC --
PRIC COMMENTS	-----	-----	-----	-----	-----	-----

Figure 4-61.- Division Request Status template.

QDR



(a) QDR logic flow.
Figure 4-61.- Concluded.

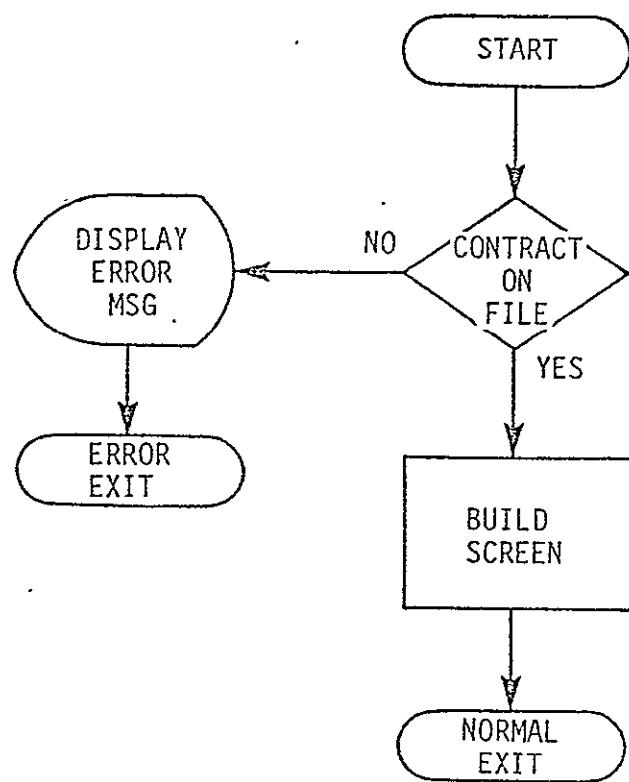
Contract Status Inquiry

Purpose: To enter number of contract to be displayed, for inquiry only.

TEMPLATE ID (QCTR)	PROGRAM ID (IN0202)	
-----	CONTRACT STATUS REPORT	QCTR
-----	ORG/BUYER ----- ----- ORG/TECH MONITOR	
TYPE CONTRACT ----- BUS CODE/PPC -----	CONTRACTOR ----- CITY/ST ----- -- DIVISION -----	
AWARD ----- FUNDED ----- DISBURSED -----		
CONTRACT DATE ----- FIRST ENTERED ----- LATEST COMPL DATE ----- PHYS COMPLETE ----- INACTIVE DATE -----	TECH COMPL ----- PROP COMPL ----- VOUCHER ----- CLOSE OUT ----- -----	

Figure 4-62.- Contract Status Inquiry template.

QCO



(a) QCO logic flow.
Figure 4-62.- Concluded.

PR/Contract Cross Reference Request

Purpose: To request the display of the PR number contract number cross reference in PR number sequence or contract number sequence.

TEMPLATE ID (QREF)

PROGRAM ID (INQ204)

PR/CONTRACT CROSS REFERENCE

PR NO -----

CONTRACT NO -----

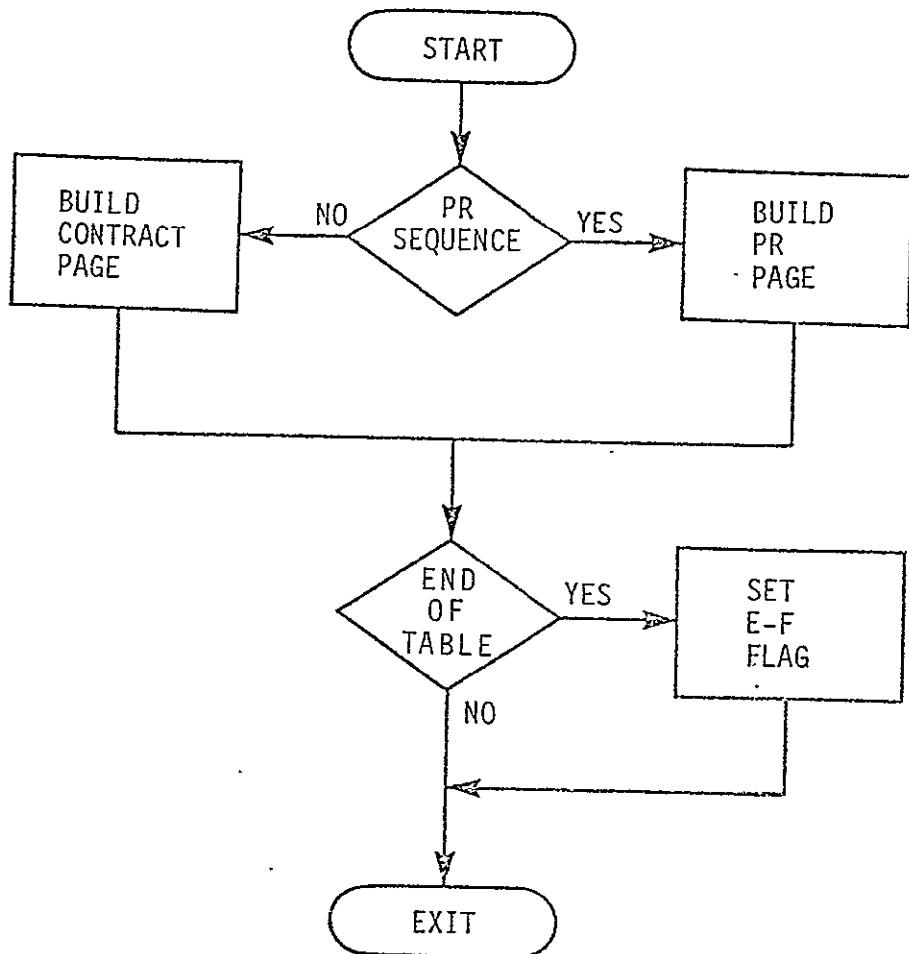
The cross reference will be displayed in the following format.

PR/CONTRACT CROSS REFERENCE

PR NO	CONTRACT NO	MOD	CONTRACTOR NAME	OBLIGATION
-----	-----	---	-----	---, ---, ---,---+
-----	-----	---	-----	---, ---, ---,---+
-----	-----	---	-----	---, ---, ---,---+
-----	-----	---	-----	---, ---, ---,---+
-----	-----	---	-----	---, ---, ---,---+

Figure 4-63.- PR/Contract Cross Reference Request template.

QXREF



(a) QXPREF logic flow.
Figure 4-63.- Concluded.

Table Inquiry

Purpose: To display the contents of the requested table.

TEMPLATE ID (QTAB)

PROGRAM ID (INQ203)

TABLE INQUIRY

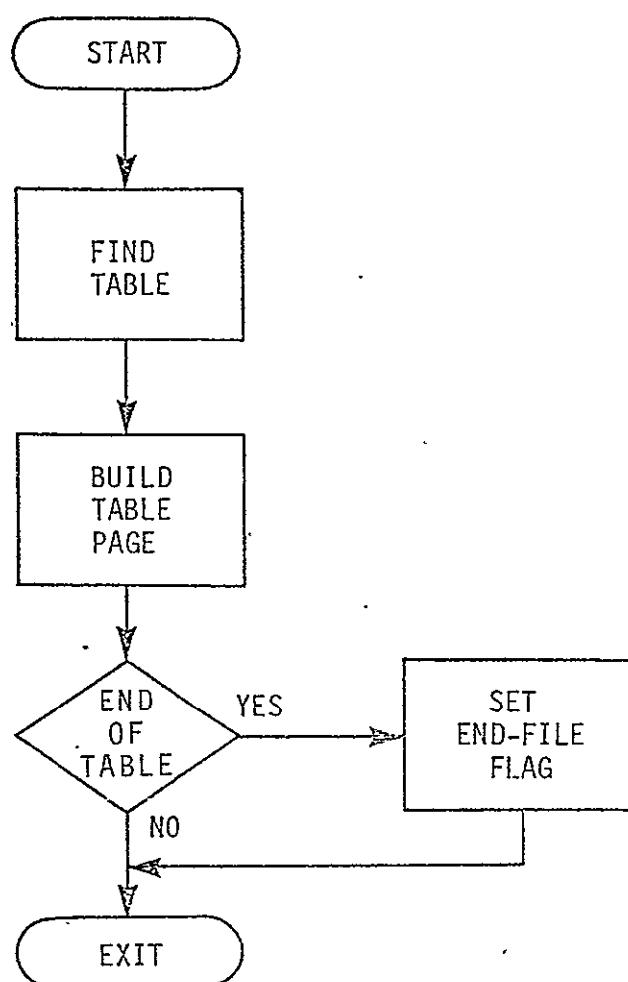
QTAB

TABLE NAME -----

TYPE ----

Figure 4-64.- Table Inquiry template.

QTAB



(a) QTAB logic flow.
Figure 4-64.- Concluded.

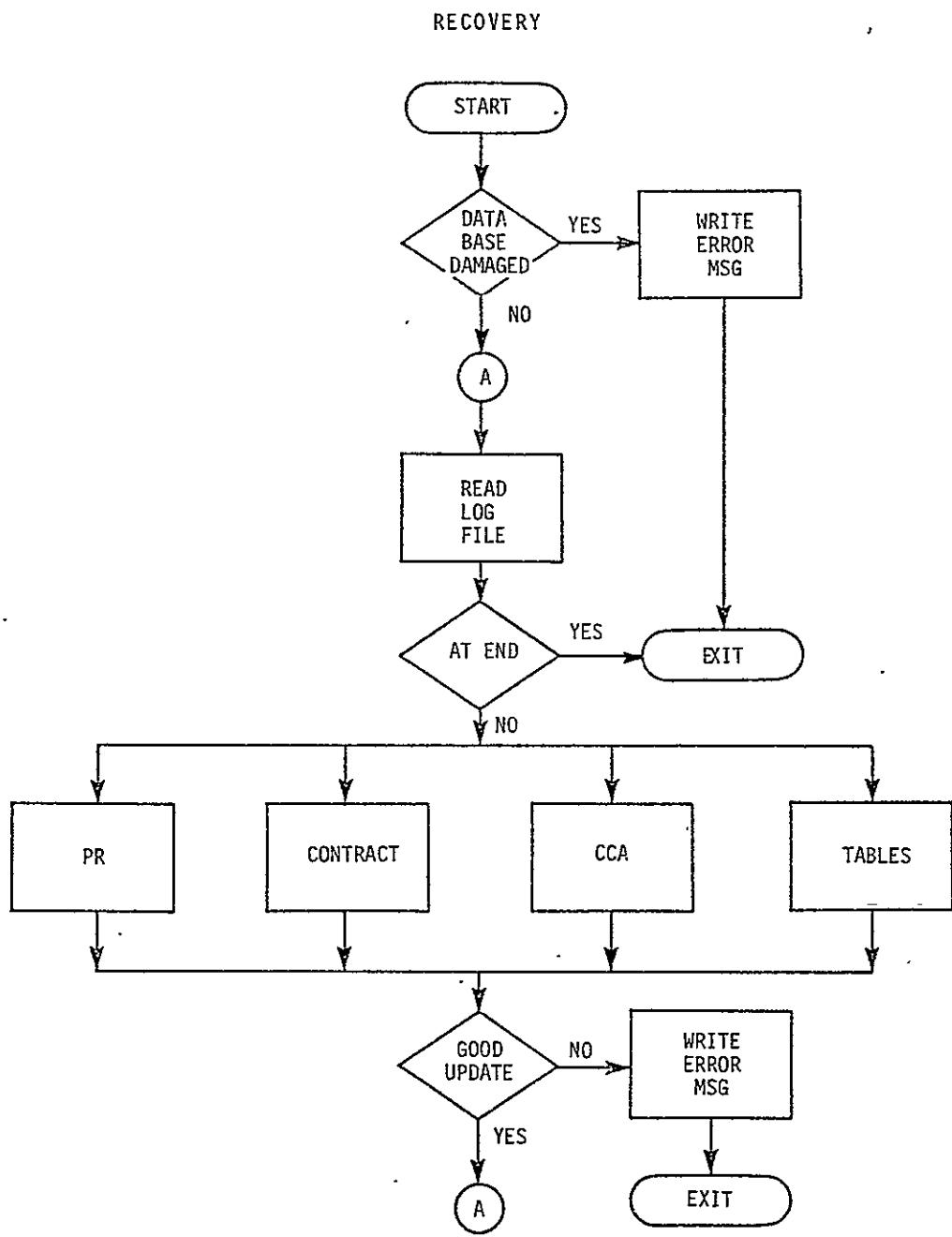


Figure 4-65.- Recovery Function logic flow.

TABLE 4-I.- PURCHASE REQUEST RECORD FILE DESCRIPTION.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
PURCHASE REQUEST (PR) RECORD		DISC	426 CHARS. (71 WORDS)		30	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Purchase Request Number	1	9	9	A/N	Key
2	Filler	10	12	3	A/N	Blank Key
3	Division	13	14	2	A/N	
4	Branch	15	17	3	A/N	
5	Section	18	21	4	A/N	
6	Originating Division	22	23	2	A/N	
7	Current Milestone	24	24	1	N	
8	Organization/Buyer	25	30	6	A/N	
9	Division Request	31	40	10	A/N	
10	Line Item	41	42	2	N	
11	Description	43	72	30	A/N	
12	Account Code	73	94	22	A/N	
13	Inactive Indicator	95	95	1	A/N	
14	Filler	96	96	1	A/N	
15	Committed Amount	97	108	12	N	9(10)v99

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TABLE 4-I.- CONTINUED.

RECORD CONTENT						
TITLE PR RECORD - continued		TYPE DISC	LENGTH 426 CHARs. (71 WORDs)	BLOCKING 30	FORMAT FIXED MSAM	
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH		SIZE	TYPE
			START	END		COMMENTS
16	Total Amount		109	120	12	A/N
17	Obligation Amount		121	132	12	N
18	Cancel Indicator		133	133	1	A/N
19	Planning PR		134	134	1	A/N
20	Procurement Placement Code		135	136	2	A/N
21	Class Code		137	138	2	A/N
22	Filler		139	144	6	A/N
23	Purchase Request Date		145	150	6	N
24	Received Date		151	156	6	N
25	Delivery Date		157	162	6	N
26	Pricing Request Date		163	168	6	N
27	Pricing Received Date		169	174	6	N
28	Schedule 1 Date		175	180	6	N
29	Schedule 2 Date		181	186	6	N
30	Schedule 3 Date		187	192	6	N

TABLE 4-I.- CONTINUED.

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RECORD CONTENT						
TITLE		TYPE	LENGTH	BLOCKING		FORMAT
PR RECORD - continued		DISC	426 CHARS. (71 WORDS)	30		FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
31	Schedule 4 Date	193	198	6	N	
32	Schedule 5 Date	199	204	6	N	
33	Schedule 6 Date	205	210	6	N	
34	Revision 1 Date	211	216	6	N	
35	Revision 2 Date	217	222	6	N	
36	Revision 3 Date	223	228	6	N	
37	Revision 4 Date	229	234	6	N	
38	Revision 5 Date	235	240	6	N	
39	Revision 6 Date	241	246	6	N	
40	Actual 1 Date	247	252	6	N	
41	Actual 2 Date	253	258	6	N	
42	Actual 3 Date	259	264	6	N	
43	Actual 4 Date	265	270	6	N	
44	Actual 5 Date	271	276	6	N	
45	Actual 6 Date	277	282	6	N	

TABLE 4-I.- CONCLUDED.

RECORD CONTENT						
TITLE PR RECORD - concluded		TYPE DISC	LENGTH 426 CHARs, (71 WORDS)	BLOCKING 30	FORMAT FIXED MSAM	
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH		SIZE	TYPE
			START	END		COMMENTS
46	Initiator Name		283	298	16	A/N
47	Filler		299	300	2	A/N
48	Contract Number		301	312	12	A/N
49	Contract Modification Number		313	315	3	A/N
50	Maximum Standard		316	318	3	N
51	Solicitation Number		319	333	15	A/N
52	XREF Sequencing No.		334	336	3	N
53	Inactive Date		337	342	6	N
54	First Entered Date		343	348	6	N
55	Last Changed Date		349	354	6	N
56	Last Changed Time		355	360	6	N
57	Pricing Remarks		361	410	50	A/N
58	Filler		411	426	16	A/N

TABLE 4-II.- BASIC CONTRACTS FILE DESCRIPTION.

RECORD CONTENT						
TITLE BASIC CONTRACT RECORD		TYPE DISC	LENGTH 654 CHARS. (109 WORDS)	BLOCKING 13	FORMAT FIXED MSAM	
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH		SIZE	TYPE
			START	END		COMMENTS
1	Contract Number		1	12	12	A/N
2		Division	13	14	2	A/N
3		Filler	15	19	5	A/N
4		Branch	20	22	3	A/N
5		Type of Record	23	24	2	A/N
6		Section	25	28	4	A/N
7		Buyer	29	30	2	A/N
8		Description	31	70	40	A/N
9		Procurement Placement Code (PPC)	71	72	2	A/N
10		Obligation Amount	73	84	12	N
11		Award Amount	85	96	12	N
12		Filler	97	97	1	A/N
13		Estimated Cost	98	108	11	N
14		Inactive Date	109	114	6	A/N
15		Inactive Indicator	115	115	1	A/N

TABLE 4-II.- CONTINUED.

RECORD CONTENT						
TITLE		TYPE	LENGTH	BLOCKING	FORMAT	
BASIC CONTRACT RECORD - continued		DISC	654 CHARS, (109 WORDS)	13	FIXED MSAM	
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH		SIZE	TYPE
			START	END		
16	Filler		116	116	1	A/N
17	Inactive Purge Code (CCA)		117	117	1	A/N
18	Estimated Fee		118	126	9	N
19	Contract Distribution Date		127	132	6	A/N
20	Contract Completion Date		133	138	6	A/N
21	Physically Complete Date		139	144	6	A/N
22	Property Date Complete		145	150	6	A/N
23	Technical Date Complete		151	156	6	A/N
24	Voucher Date Complete		157	162	6	A/N
25	First Entered Date		163	168	6	A/N
26	Last Changed Date		169	174	6	A/N
27	Last Changed Time		175	180	6	A/N
28	Close Out Date		181	186	6	A/N
29	Contract Date		187	192	6	A/N
30	Contract Date Flag		193	193	1	A/N

TABLE 4-II.- CONTINUED.

RECORD CONTENT						
TITLE		TYPE	LENGTH	BLOCKING		FORMAT
BASIC CONTRACT RECORD - continued		DISC	654 CHARS, (109 WORDS)	13		FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH	SIZE	TYPE	COMMENTS
			START	END		
31	Extent of Completion		194	194	1	A/N
32	Contract Program		195	204	10	A/N
33	CCA Change Date		205	210	6	A/N
34	Contract End Item		211	214	4	A/N
35	Synopsized		215	215	1	A/N
36	New Technology		216	216	1	A/N
37	Type of Contract		217	218	2	A/N
38	Filler		219	222	4	A/N
39	Geographic Distribution		223	223	1	A/N
40	Cost Performance Report		224	224	1	A/N
41	Property Space Hardware		225	225	1	A/N
42	Support Service Contract		226	226	1	A/N
43	Contract Administration Delegation		227	227	1	A/N
44	Small Business Subcontractors		228	228	1	A/N
45	Kind of Action		229	230	2	A/N

TABLE 4-II.- CONTINUED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
BASIC CONTRACT RECORD - continued		DISC	654 CHARS, (109 WORDS)		13	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
46	Labor Surplus Preference	231	231	1	A/N	
47	Cost Accounting Standards	232	232	1	A/N	
48	Business Code	233	233	1	A/N	
49	Technical Monitor	234	249	16	A/N	
50	Technical Monitor Mail	250	253	4	A/N	
51	Filler	254	263	10	A/N	
52	Name Code	264	269	6	A/N	
53	Filler	270	285	16	A/N	
54	POP State (Place of Performance)	286	287	2	A/N	
55	POP City	288	311	24	A/N	
56	POP Zip Code	312	320	9	N	9(9)
57	Filler	321	323	3	A/N	
58	Contractor Identification Code (CIC)	324	330	7	N	9(7)
59	DOD Office	331	334	4	A/N	
60	Delegation Code CA	335	335	1	A/N	

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TABLE 4-II.- CONTINUED.

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RECORD CONTENT					
TITLE		TYPE	LENGTH	BLOCKING	FORMAT
BASIC CONTRACT RECORD - continued		DISC	654 CHARS, (109 WORDS)	13	FIXED MSAM
DESCRIPTION					
ITEM NUMBER	ITEM NAME	LENGTH	SIZE	TYPE	COMMENTS
		START	END		
61	Delegation Code QA	336	336	1	A/N
62	Delegation Code PR	337	337	1	A/N
63	Delegation Code GP	338	338	1	A/N
64	Delegation Code AU	339	339	1	A/N
65	Delegation Code OTHER	340	347	8	A/N
66	Delegation Code GFP	348	353	6	A/N
67	Delegation Code DATE	354	359	6	A/N
68	Principal Investigator	360	375	16	A/N
69	Renegotiation Status Code	376	376	1	A/N
70	Fund Source	377	377	1	A/N
71	Contract Status	378	421	44	A/N
72	Headquarters Contractor Name	422	437	16	A/N
73	Headquarters Contractor Division	438	457	20	A/N
74	Technical Monitor Extension	458	461	4	A/N
75	FACS Date	462	467	6	A/N

TABLE 4-II.- CONTINUED.

RECORD CONTENT							
TITLE		TYPE	LENGTH		BLOCKING	FORMAT	
BASIC CONTRACT RECORD - continued		DISC	654 CHARS. (109 WORDS)		13	FIXED MSAM	
DESCRIPTION							
ITEM NUMBER	ITEM NAME		LENGTH		SIZE	TYPE	
			START	END			
76	Prior Fiscal Year Obligation		468	479	12	N	S9(10)v99
77	Prior Fiscal Year Cost		480	491	12	N	S9(10)v99
78	Prior Fiscal Year Distribution		492	503	12	N	S9(10)v99
79	Current Fiscal Year Obligation		504	515	12	N	S9(10)v99
80	Current Fiscal Year Cost		516	527	12	N	S9(10)v99
81	Current Fiscal Year Distribution		528	539	12	N	S9(10)v99
82	Latest Completion Date		540	545	6	A/N	
83	Prior Cumulative Award		546	557	12	N	S9(10)v99
84	Current Cumulative Award		558	569	12	N	S9(10)v99
85	Agency Order Number		570	584	15	A/N	
86	Obligation Source Indicator		585	585	1	A/N	
87	Statutory Requirements Code		586	586	1	A/N	
88	Trade Data Number		587	587	1	A/N	
89	Trade Data Percent		588	589	2	N	99
90	Type Contractor		590	591	2	N	99

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TABLE 4-II.- CONCLUDED.

RECORD CONTENT						
TITLE		TYPE	LENGTH	BLOCKING	FORMAT	
BASIC CONTRACT RECORD - concluded		DISC	654 CHARS. (109 WORDS)	13	FIXED MSAM	
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
91	Consultant Type Contract	592	592	1	A/N	
92	Woman Owned Business	593	593	1	A/N	
93	Affirmative Action Plan	594	594	1	A/N	
94	Previous Affirmative Contractor	595	595	1	A/N	
95	Reason Not Small Business	596	597	2	N	99
96	Buy American Percent	598	599	2	N	99
97	Terminated Contractor	600	600	1	A/N	
98	Originating Section	601	604	4	A/N	
99	Originating Buyer Code	605	606	2	A/N	
100	Originating Buyer Name	607	622	16	A/N	
101	Filler	623	654	32	A/N	

TABLE 4-III.- PR/CONTRACT CROSS REFERENCE FILE DESCRIPTION.

RECORD CONTENT						
TITLE PR/CONTRACT CROSS REFERENCE		TYPE DISC	LENGTH 14 WORDS	BLOCKING 52 RECORDS	FORMAT MSAM	
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH		SIZE	TYPE
			START	END		
1	Purchase Request Number		1	9	9	A/N
2	Key Suffix		10	12	3	N
3	Contract Number		13	24	12	A/N
4	Contract Mod Number		25	27	3	A/N
5	Filler		28	30	3	A/N
6	Contractor Name		31	46	16	A/N
7	Filler		47	48	2	A/N
8	Award Date		49	54	6	N
9	OBL This Act		55	66	12	N
10	Contr Purge Ind.		67	67	1	A/N
11	PR Purge Ind.		68	68	1	A/N
12	Filler		69	84	16	A/N

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TABLE 4-IV.- CONTRACT CHANGE AUTHORIZATIONS FILE DESCRIPTION.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
CONTRACT CHANGE AUTHORIZATIONS (CCA'S)		DISC	49 WORDS		30	MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Contr-No	1	12	12	A/N	
2	Schedule Code	13	15	3	A/N	Prime Key
3	CCA-Number	16	24	9	A/N	
4	Pack-No	25	30	6	A/N	
5	Rev-Flag	31	31	1	A/N	
6	Milestone	32	32	1	A/N	
7	Inactive-Ind	33	33	1	A/N	
8	Filler	34	34	1	A/N	
9	CCBD-No	35	41	7	A/N	
10	ECP-No	42	48	7	A/N	
11	Supplemental Agreement No	49	54	6	A/N	
12	Org/Buyer	55	60	6	A/N	
13	Tech-Monitor	61	75	16	A/N	
14	Mail-Code	77	80	4	A/N	
15	TM-Ext	81	84	4	A/N	

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TABLE 4-IV.- CONTINUED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
CCA'S - Continued		DISC	49 WORDS		30	MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH		SIZE	TYPE
			START	END		
16	Last-Change-Date		85	90	6	A/N
17	Last Change Time		91	96	6	A/N
18	EV1-Proc-Date		97	108	6	N
19	EV1-Amt		109	114	12	N
20	EV1-Date		115	120	6	N
21	EV2-Sched-Date		121	126	6	N
22	EV2-Rev-Date		127	132	6	N
23	EV2-Act-Date		132	135	6	N
24	EV2-Amt		139	150	12	N
25	EV3-Sched-Date		151	156	6	N
26	EV3-Rev-Date		157	162	6	N
27	EV3-Act-Date		163	168	6	N
28	EV4-Sched-Date		169	174	6	N
29	EV4-Rev-Date		175	180	6	N
30	EV4-Act-Date		181	186	6	N
31	EV4-Neg-Amt		187	198	12	N
						9(12)

TABLE 4-IV.- CONTINUED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
CCA'S - concluded		DISC	49 WORDS		30	MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH		SIZE	TYPE
			START	END		COMMENTS
32	EV5-Sched-Date		199	204	6	N
33	EV5-Rev-Date		205	210	6	N
34	EV5-Act-Date		211	216	6	N
35	EV5-Proc-Date		217	222	6	N
36	Description		223	272	50	A/N
37	Filler		273	294	22	A/N
						Blank

TABLE 4-IV:- CONTINUED.

RECORD CONTENT

TITLE CCA - ADDITIONAL DATA RECORD		TYPE DISC	LENGTH 49 WORDS		BLOCKING 30	FORMAT MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Contract Number	1	12	12	A/N	
2	Schedule Code	13	15	3	A/N	Prime Key
3	Filler	16	24	9	A/N	
4	Project 1 Description	25	48	24	A/N	
5	----- Amount	49	60	12	N	9(12)
6	Project 2 Description	61	84	24	A/N	
7	----- Amount	85	96	12	N	9(12)
8	Project 3 Description	97	120	24	A/N	
9	----- Amount	121	132	12	N	9(12)
10	Project 4 Description	133	156	24	A/N	
11	----- Amount	157	168	12	N	9(12)
12	Project 5 Description	169	192	24	A/N	
13	----- Amount	193	204	12	N	9(12)
14	Project 6 Description	205	228	24	A/N	
15	----- Amount	229	240	12	N	9(12)

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TABLE 4-IV.- CONCLUDED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
CCA - ADDITIONAL DATA RECORD ~ concluded .		DISC	49 WORDS		30	MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH		SIZE	TYPE
			START	END		
16	Cost Incurred Date		241	246	6	N
17	----- Amount		247	258	12	N
18	Estimated Completion Date		259	264	6	N
19	----- Amount		265	276	12	N
20	Project Overrun/Underrun		277	288	12	N
21	Contract Non Print		289	289	1	A/N
22	Filler		290	294	5	A/N

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TABLE 4-V.- CONTRACT MODIFICATIONS RECORD FILE DESCRIPTION.

RECORD CONTENT						
TITLE CONTRACT MOD FILE MOD RECORD		TYPE DISC	LENGTH 210 CHARS. 35 WORDS	BLOCKING 30		FORMAT FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH	SIZE	TYPE	COMMENTS
			START	END		
1	Contract Number		1	12	12	A/N Key
2	MOD Number		13	15	3	A/N Key
3	Filler		16	18	3	A/N
4	Description		19	58	40	A/N
5	Inactive Indicator		59	59	1	A/N
6	Contract Modification Type		60	60	1	A/N
7	Contract Date		61	66	6	A/N
8	Contract Completion Date		67	72	6	A/N
9	Contract Distribution Date		73	78	6	A/N
10	Organization/Buyer		79	84	6	A/N
11	Obligation This Action		85	96	12	N S9(10)V99
12	Physically Complete Date		97	102	6	A/N
13	Inactive Date		103	108	6	A/N
14	FACS Date		109	114	6	A/N
15	Type of Contract		115	116	2	A/N
16	Filler		117	120	4	A/N

TABLE 4-V.- CONCLUDED.

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RECORD CONTENT						
TITLE CONTRACT MOD FILE MOD RECORD (CONCLUDED)		TYPE DISC	LENGTH 210 CHARS. 35 WORDS		BLOCKING 30,	FORMAT FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH		SIZE	TYPE
			START	END		COMMENTS
17	Last Changed Date		121	126	6	A/N
18	Last Changed Time		127	132	6	A/N
19	Type of Record		133	134	2	A/N
20	Filler		135	134	2	A/N
21	Synopsized		139	139	1	A/N
22	Kind of Action		140	141	2	A/N
23	Renewal Status		142	142	1	A/N
24	Filler		143	144	2	A/N
25	Award Amount		145	156	12	N S9(10)V99
26	Price Cost		157	167	11	N S9(11)
27	Obligation Source Indicator		168	168	1	A/N
28	Estimated Fee		169	177	9	N S9(9)
29	Filler		178	180	3	A/N
30	Contractor Identification Code (CIC)		181	187	7	A/N
31	Filler		188	192	5	A/N
32	First Entered Date		193	198	6	A/N
33	Filler		199	210	12	A/N

TABLE 4-VI.- TABLE FILE DESCRIPTIONS.

(a.) MIS Table - Report Titles Table Record.

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RECORD CONTENT						
TITLE		TYPE	LENGTH	BLOCKING		FORMAT
MIS - TABLE REPORT TITLES TABLE RECORD		DISC	138 CHARS, (23 WORDS)	40 RECORDS		FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH		SIZE	TYPE
			START	END		
1	Record Type		1	2	2	A/N
2	Report Code		3	5	3	N
3	Filler		6	12	7	A/N
4	Report Name		13	108	96	A/N
5	Report Type		109	112	4	A/N
6	Originating Division		113	113	1	A/N
7	Procurement Division		114	114	1	A/N
8	Procurement Branch		115	115	1	A/N
9	Procurement Section		116	116	1	A/N
10	Procurement Buyer		117	117	1	A/N
11	Contract		118	118	1	A/N
12	Package Number		119	119	1	A/N
13	Program		120	120	1	A/N
14	Project		121	121	1	A/N
15	Filler		122	138	17	Blank
						Valid section elements

TABLE 4-IV.- CONTINUED.

(b.) MIS Table - Organization Table Record.

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RECORD CONTENT						
TITLE		TYPE	LENGTH	BLOCKING		FORMAT
MIS - TABLES ORGANIZATION TABLE RECORD		DISC	138 CHARS (23 WORDS)	40 RECORDS		FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Record - Type	1	2	2	A/N	Value '02' Key
2	Organization Code	3	6	4	A/N	Key
3	Buyer Code	7	8	2	A/N	Key
4	Filler	9	12	4	A/N	Blank Key
5	Organization Name	13	42	30	A/N	
6	Buyer Name	43	58	16	A/N	
7	Filler	59	60	2	A/N	Blank
8	Buyer Extension	61	64	4	N	
9	Filler	65	138	74	A/N	Blank

TABLE 4-IV.- CONTINUED.

(c.) MIS Table - End-Item Table Record.

RECORD CONTENT						
TITLE MIS - TABLES END-ITEM TABLE RECORD		TYPE DISC	LENGTH 138 CHARS, (23 WORDS)	BLOCKING 40 RECORDS		FORMAT FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH		SIZE	TYPE
			START	END		COMMENTS
1	Record-Type		1	2	2	A/N Value '03' Key
2	End-Item-Code		3	6	4	A/N Key
3	Filler		7	12	6	A/N Blank Key
4	End Item Section Code		13	14	2	N
5	End Item Section Description		15	44	30	A/N
6	End Item Description		45	122	78	A/N
7	Filler		123	138	16	A/N Blank

TABLE 4-VI.- CONTINUED.

(d.) MIS Table - Range Amounts Table Record.

RECORD CONTENT						
TITLE MIS - TABLES RANGE AMOUNTS TABLE RECORD		TYPE DISC	LENGTH 138 CHARS. (23 WORDS)	BLOCKING 40 RECORDS	FORMAT FIXED MSAM	
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH	SIZE	TYPE	COMMENTS
	ITEM NUMBER	ITEM NAME	START	END		
1	Record Type		1	2	2	A/N Value '04' Key
2	High-Range		3	9	7	N Key
3	Filler		10	12	3	A/N Blank Key
4	Low-Range		13	19	7	N, Blank
5	Filler		20	138	119	A/N Blank

TABLE 4-VI.- CONTINUED.

(e.) MIS Table - Schedule Table Record.

RECORD CONTENT						
TITLE MIS - TABLES SCHEDULE TABLE RECORD		TYPE DISC	LENGTH 138 CHARS, (23 WORDS)	BLOCKING 40 RECORDS		FORMAT FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH	SIZE	TYPE	COMMENTS
			START	END		
1	Record-Type		1	2	2	A/N Value '05' Key
2	Class-Code		3	3	1	A/N Key
3	Schedule High		4	10	7	N Key
4	Filler		11	12	2	A/N Blank Key
5	Schedule 1 to 2		13	15	3	N
6	Schedule 2 to 3		16	18	3	N
7	Schedule 3 to 4		19	21	3	N
8	Schedule 4 to 5		22	24	3	N
9	Schedule 5 to 6		25	27	3	N
10	Filler		28	29	2	A/N Blank
11	Schedule Low Amount		30	36	7	N
12	Schedule Description		37	76	40	A/N
13	Filler		77	138	62	A/N Blank

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TABLE 4-VI.- CONTINUED.

(f.) MIS Table - Business Code Table Record.

RECORD CONTENT						
TITLE MIS - TABLES BUSINESS CODE TABLE RECORD		TYPE DISC	LENGTH 138 CHARS, (23 WORDS)	BLOCKING 40 RECORDS		FORMAT FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH	SIZE	TYPE	COMMENTS
		START	END			
1	Record Type		1	2	A/N	Value '06' Key
2	Contract Business Code		3	3	A/N	Key
3	Filler		4	12	A/N	Blank Key
4	Contract Business Description		13	37	A/N	
5	Filler		38	138	A/N	Blank

TABLE 4-VI.- CONTINUED.

(g.) MIS Table - Type of Contract Table Record.

RECORD CONTENT						
TITLE		TYPE	LENGTH	BLOCKING		FORMAT
MIS - TABLES TYPE OF CONTRACT TABLE RECORD		DISC	138 CHARS, (23 WORDS)	40 RECORDS		FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Record Type	1	2	2	A/N	Value '07' Key
2	FACS Contract Code	3	4	2	A/N	
3	Filler	5	12	8	A/N	Blank Key
4	Type of Contract Description	13	42	30	A/N	
5	Type Code	43	49	7	N	
6	Fee Required	50	52	3	A/N	
7	Filler	53	138	86	A/N	Blank

TABLE 4-VI.- CONTINUED.

(h.) MIS Table - Contract Prefix Table Record.

RECORD CONTENT						
TITLE MIS - TABLES CONTRACT PREFIX TABLE RECORD		TYPE DISC	LENGTH 138 CHARS. (23 WORDS)	BLOCKING 40 RECORDS		FORMAT FIXED MSAM
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Record Type	1	2	2	A/N	Value '08' Key
2	Conversion Prefix	3	8	6	A/N	Key
3	Filler	9	12	4	A/N	Blank Key
4	Expanded Prefix	13	14	2	A/N	
5	Filler	15	138	124	A/N	Blank

TABLE 4-VI.- CONTINUED.

(i.) MIS Table - MOD Table Record.

RECORD CONTENT						
TITLE		TYPE	LENGTH	BLOCKING	FORMAT	
MIS ~ TABLES MOD TABLE RECORD		DISC	138 CHARS, (23 WORDS)	40 RECORDS	FIXED MSAM	
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Record Type	1	2	2	A/N	Value '09' Key
2	MOD Type	3	3	1	A/N	Key
3	Filler	4	12	9	N	Blank
4	MOD Type Description	13	42	30	A/N	2 Char occurs 10
5	Filler	63	138	76		Blank

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TABLE 4-VI.- CONTINUED.

(j.) MIS Table - CCA Type Table Record.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
MIS - TABLES CCA TYPE TABLE RECORD		DISC	138 CHARS (23 WORDS)		40 RECORDS	MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Record Type	1	2	2	A/N	Value '10' Key
2	CCA Type	3	5	3	A/N	
3	Filler	6	12	7	A/N	Blank Key
4	Description	13	42	30	A/N	
5	Filler	43	138	96	A/N	Blank

TABLE 4-VI.- CONTINUED.

(k.) VEN Table - Vendor Code Table Record.

RECORD CONTENT						
TITLE VEN - TABLE VENDOR CODE TABLE RECORD		TYPE DISC	LENGTH 84 CHARS, (14 WORDS)		BLOCKING 58 RECORDS	FORMAT FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH		SIZE	TYPE
			START	END		
1	Vendor Code		1	6	6	N
2	Contractor-Name		7	22	16	A/N
	Filler		23	24	2	A/N
	Contractor-State		25	26	2	A/N
	Filler		27	30	4	A/N
	Contractor-Division		31	40	10	A/N
	Filler		41	42	2	A/N
	Contractor-City		43	52	10	A/N
	Filler		53	54	2	A/N
	Contractor-Business Code		55	55	1	A/N
	Filler		56	84	29	A/N
						Blank
						Key

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TABLE 4-IV.- CONTINUED.

(1.) RDT Table - Report Distribution Table Record (header record).

RECORD CONTENT						
TITLE RDT -TABLE REPORT DISTRIBUTION TABLE RECORD (HEADER RECORD)		TYPE DISC	LENGTH 450 CHARS, (75 WORDS)		BLOCKING 26 RECORDS	FORMAT FIXED MSAM
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Record Type	1	2	2	A/N	Value '01' Key
2	Report Type	3	4	2	A/N	Key
3	Frequency	5	5	1	A/N	Key
4	User Name	6	21	16	A/N	Key
5	Book Number	22	23	2	N	Key
6	Filler	24	24	1	A/N	Blank Key
7	User Mail Code	25	28	4	A/N	
8	User Building	29	32	4	A/N	
9	User Room	33	36	4	A/N	
10	Filler	36	450	414	A/N	Blank

TABLE 4-VI.- CONTINUED.

(m.) RDT Table - Report Distribution Data Record

RECORD CONTENT						
TITLE RDT - TABLE REPORT DISTRIBUTION DATA RECORD		TYPE DISC	LENGTH 450 CHARS. (75 WORDS)	BLOCKING 26 RECORDS	FORMAT MSAM	
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH		SIZE	TYPE
			START	END		
1	Record Type		1	2	2	A/N Value '01' Key
2	Report Type		3	4	2	A/N Key
3	Frequency		5	5	1	A/N Key
4	User		6	21	16	A/N Key
5	Book Number		22	23	2	N Key
6	Sequence Number		24	24	1	A Key
7	Report Number		25		3	N }
8	Originating Division				2	A/N }
9	Procurement Organization				4	A/N }
10	Procurement Buyer Code				2	A/N }
11	Contract Number				12	A/N }
12	Package Number				6	A/N }
13	Program				10	A/N }
14	Project			432	12	A/N }
15	Filler		433	450	18	

TABLE 4-VI.- CONTINUED.

(n.) RDT Table - Procurement Placement Code Table Record.

RECORD CONTENT						
TITLE RDT - TABLE PROCUREMENT PLACEMENT CODE TABLE RECORD		TYPE DISC	LENGTH 450 CHARS (75 WORDS)		BLOCKING 26 RECORDS	FORMAT FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME		LENGTH		SIZE	TYPE
			START	END		
1	Record Type		1	2	2	A/N Value '05' Key
2	Procurement Placement Code		3	4	2	A/N Key
	Reportable Code		5	5	1	A/N Key
3	Filler		6	24	20	A/N Blank
4	Business Code		25	25	1	A/N
5	Filler		26	30	5	A/N Blank
6	Type of Procurement		31	50	20	A/N
7	Filler		51	54	4	A/N Blank
8	Negotiated Authorization Name		55	150	96	A/N
9	Extent of Competition		151	160	10	A/N 1 Char occurs 10
10	Filler		161	162	2	A/N Blank
11	Labor Surplus		163	168	6	A/N 1 char occurs 6
13	Negotiated Authorization Code		169	170	2	A/N
14	Filler		171	174	4	A/N Blank
15	Principal Investigator		175	175	1	A/N

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TABLE 4-VI.- CONTINUED.

(n.) continued.

RECORD CONTENT						
TITLE RDT - TABLE PROCUREMENT PLACEMENT CODE TABLE RECORD - continued		TYPE DISC	LENGTH 450 CHARS (75 WORDS)	BLOCKING 26 RECORDS		FORMAT FIXED MSAM
ITEM NUMBER	ITEM NAME	DESCRIPTION		SIZE	TYPE	COMMENTS
		START	END			
16	Filler	176	180	5	A/N	Blank
17	Reason not Small Business	181	206	26	A/N	2 Char occurs 13
18	Filler	207	210	4	A/N	Blank
19	Subject to Statutory Requirements	211	217	7	A/N	1 Char occurs 7
	Filler			5	A/N	Blank
20	Type of Contract	218	222	40	A/N	2 Char occurs 20
21	Filler	223	224	2	A/N	Blank
22	Type Contractor	225	252	28	A/N	2 Char occurs 14
	Filler	253	254	2	A/N	Blank
23	Kind of Action	256	274	20	A/N	2 Char occurs 10
24	Filler	275	278	4	A/N	Blank
	Synopsized	279	282	4	A/N	1 Char occurs 4
	New Technology	283	286	4	A/N	1 Char occurs 4
	Geographical Distribution	287	290	4	A/N	1 Char occurs 4
	Cost Performance	291	298	8	A/N	1 Char occurs 8
	Filler	299	302	4	A/N	Blank

TABLE 4-VI.- CONCLUDED.

(n.) concluded.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
RDT - TABLE PROCUREMENT PLACEMENT CODE TABLE RECORD - concluded		DISC	450 CHARS. (75 WORDS)		26 RECORDS	MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
	Property Space Hardware	303	308	6	A/N	1 Char occurs 6
	Support Service Contract	309	312	4	A/N	1 Char occurs 4
	Contract Administration	313	316	4	A/N	1 Char occurs 4
	Small Business	317	320	4	A/N	1 Char occurs 4
	Agency Order Number	321	321	1	A/N	
	Trade Data Number	322	322	1	A/N	
	Trade Data Percent	323	323	1	N	
	Consultant Contract	324	326	3	A/N	1 Char occurs 3
	Women-Owned	327	330	4	A/N	1 Char occurs 4
	Buy American Percent	331	331	1	A/N	
	Filler	332	332	1	A/N	Blank
	Cost Accounting	333	336	4	A/N	1 Char occurs 4
	Affirmative Action Plan	337	340	4	A/N	1 Char occurs 4
	Previous Affirmative Action Plan	341	344	4	A/N	1 Char occurs 4
	Filler	345	450	106	A/N	Blank

TABLE 4-VII.- UTILITY FILE DESCRIPTION.

(a.) Log File Control Record.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
LOG FILE CONTROL RECORD		MASS STORAGE	112 WORDS SECTORS 0-3		1	SDF DIRECT
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Address of Next Record to be Written	1	6	1	BIN	sector 0
2	Processing As-Of-Date	7	12	1	N	
3	Date As-Of-Date Changed	13	18	1	N	
4	Beginning Address for Daily Reg.	19	24	1	BIN	
5	FACS Date	25	30	1	N	
6	Beginning Date and Time of Log File	31	42	2	N	
7	Daily Register Flag	43	48	1		
8	Filler	49	168	20		First char. in word
9	Date Base Update Flag	169	174	1	N	sector 1
10	Filler	175	336	27		
11	User Table	337	504	28		sector 2
	User-no	337	340	2		occurs 14 times
	Authority flags	341	348			
12	Lock Sector	505	672			sector 3

TABLE 4-VII.- CONTINUED.

(b.) Batch-Run Record.

RECORD CONTENT							Page 1 of 3	
TITLE		TYPE	LENGTH		BLOCKING	FORMAT		
BATCH-RUN-RECORD		SECTORS 4-7 OF LOG FILE	112 WORDS (4 SECTORS)		1	SDF DIRECT		
DESCRIPTION								
ITEM NUMBER	ITEM NAME		WORD	LENGTH		SIZE	TYPE	COMMENTS
				START	END			
1	Log-Function		1	1	36	2	XX	occurs 18
2	Log-Complete-Flag		7	37	54	1	X	occurs 18
3	PR-as-of-date		10	55	60	6	9	MMDDYY
4	Cont-non-JSC-as-of-date		11	61	66	6	9	MMDDYY
5	Cont-JSC-as-of-date		12	67	72	6	9	MMDDYY
6	CCA-as-of-date		13	73	78	6	9	MMDDYY
7	UC&G-as-of-date		14	79	84	6	9	MMDDYY
8	Annual-as-of-date		15	85	90	6	9	MMDDYY
9	PR-Freq		16	91	91	1	X	W, M, Q, A, S
10	Contract non-JSC Freq			92	92	1	X	M, Q, S
11	Contract JSC Freq			93	93	1	X	M, Q, S
12	CCA-Freq			94	94	1	X	B, M, Q, S
13	UC&G Freq			95	95	1	X	M, Q, A, S
14	Contract Annual Freq			96	96	1	X	A, Q, S

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TABLE 4-VII.- CONTINUED.

(b.) continued.

RECORD CONTENT						Page 2 of 3			
TITLE		TYPE	LENGTH		BLOCKING		FORMAT		
BATCH-RUN-RECORD		SECTORS 4-7 OF LOG FILE	112 WORDS (4 SECTORS)		1		SDF DIRECT		
DESCRIPTION									
ITEM NUMBER	ITEM NAME		WORD	LENGTH		SIZE	TYPE		
				START	END				
15	Tables Report RDT		17	97		1	X	Any non blank character will trigger reports.	
16	Tables Report SCH			98		1	X		
17	Tables Report ØRG			99		1	X		
18	Tables Report PPC			100		1	X		
19	Tables Report GLØ			101		1	X		
20	Tables Report E-I			102		1	X		
21	Tables Report ETM			103		1	X		
22	Tables Report N-C			104		1	X		
23	Tables Report Filler			105	108	4	X		
24	Interface Data 497-Master Tape			109		1	X		
25	Interface Data 497-Master Dump			110		1	X	*asterisk	
26	Interface Data Filler			111	114	4	X		
27	Interface Data FACS Tape Date			115	118	4	9	MMYY	
28	Interface Data FACS Tape Dump			119		1	X	*asterisk	
29	Interface Data Filler			120		1	X		

TABLE 4-VII.- CONTINUED.

(b.) concluded.

RECORD CONTENT						Page 3 of 3	
TITLE BATCH-RUN-RECORD		TYPE SECTORS 4-7 OF LOG FILE	LENGTH 112 WORDS (4 SECTORS)		BLOCKING 1	FORMAT SDF DIRECT	
ITEM NUMBER	ITEM NAME	WORD	DESCRIPTION		SIZE	TYPE	COMMENTS
			START	END			
30	BAS Update Last Process Date	21	121	126	6	9	MMDDYY - set whenever BAS update is run.
32	BAS Update Process thru Date	22	127	132	6	9	MMDDYY - update files with transactions thru this date. Then move this date to LAST PROCESS DATE.
33	Purge	23	133	138	6	9	MMDDYY - purge all inactive thru this date.
	Box-header	24	139	150	12	X	P03~45 Box 105
	Filler	25	151	672	522	X	

TABLE 4-VII.- CONCLUDED.

(c.) Log File Transaction Record

RECORD CONTENT					
TITLE		TYPE	LENGTH	BLOCKING	FORMAT
LOG FILE TRANSACTION RECORD		DISC	112 WORDS 672 CHAR.	1	SDF DIRECT
DESCRIPTION					
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE
		START	END		
1	Template User no.	1	4	4	
2	Template ID	5	10	6	
3	Template Data	11	414	404	
4	Date Processed	415	420	6	
5	Time Processed	421	426	6	
6	Filler	427	672	246	

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5.0 SYSTEM OPERATION

A readiness test will be performed in the morning of each work day, or after each system crash, by production personnel to ensure that the system database is ready for operation (fig. 5-1). All user input will be collected and input using the three remote terminals located in the Procurement Operations Office.

If the readiness test reports an unusable database, production personnel will be responsible for reloading the database from backup tapes and informing the user of the date of the backup.

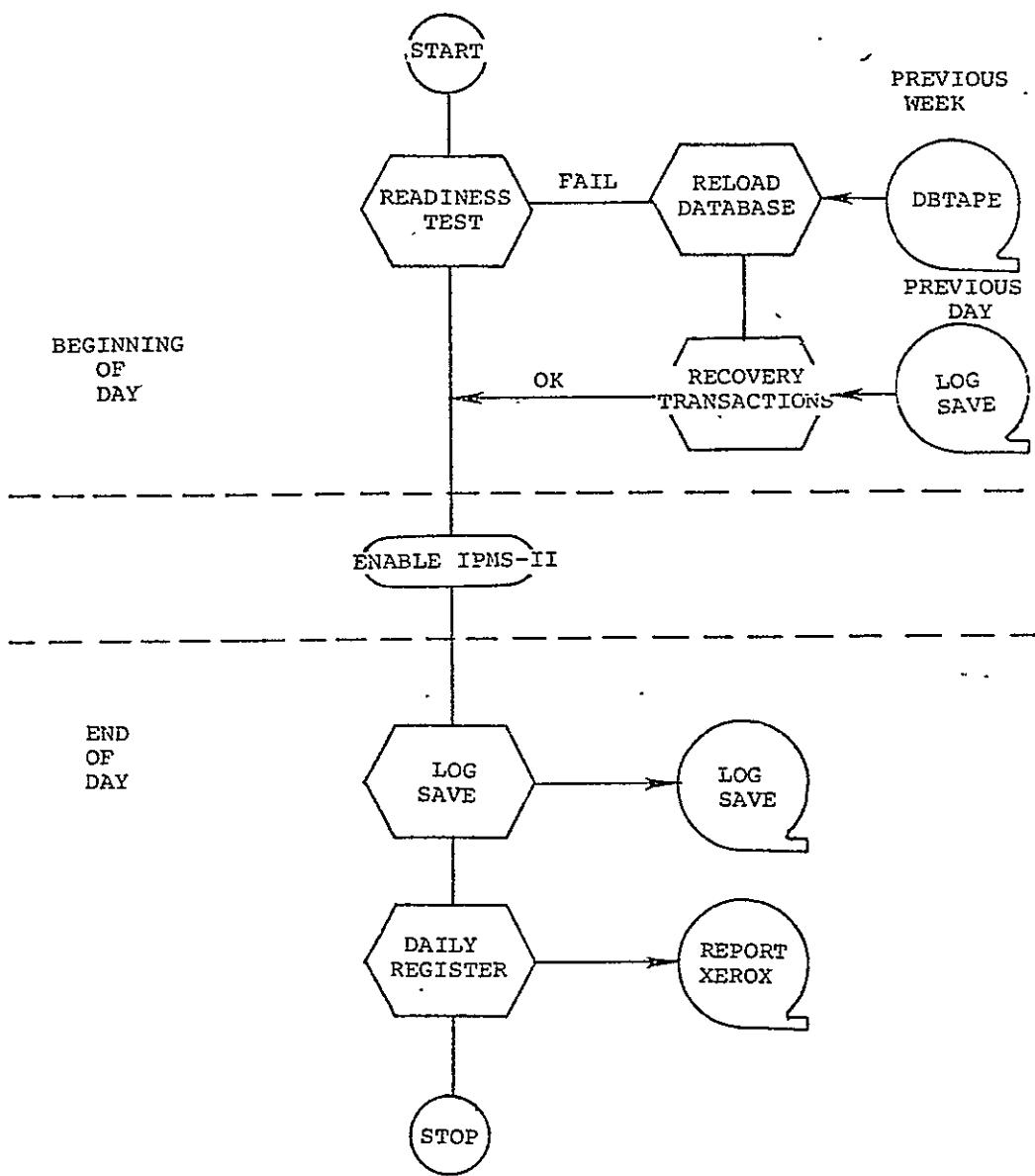


Figure 5-1.- Operational System Flow.

